

ANNUAL REPORT

OF THE COMMITTEE OF THE

MANCHESTER AND SALFORD

SANITARY ASSOCIATION

(Established A D. 1852),

AND OF THE

COMMITTEES OF ITS AFFILIATED
SOCIETIES,—

LADIES' HEALTH SOCIETY,

NOXIOUS VAPOURS ABATEMENT ASSOCIATION,

COMMITTEE FOR SECURING OPEN SPACES FOR
RECREATION,

FOR 1894.

AT THE ANNUAL MEETING of the Manchester and Salford Sanitary Association and its Affiliated Societies—The Ladies Health Society, the Manchester and Salford Noxious Vapours Abatement Association, and the Committee for Securing Open Spaces for Recreation—held at the Town Hall, Manchester, on Wednesday, April 24th, 1895.

THE RIGHT HONOURABLE THE LORD MAYOR OF MANCHESTER
(MR. ALDERMAN LLOYD),
in the Chair,

The Reports and Treasurers' Accounts, copies of which lay on the table, were, by consent, taken as read; and it was, on the motion of the CHAIRMAN, and seconded by the LORD BISHOP OF MANCHESTER,

Resolved—"That the Reports, as presented by the Committees of the Associations, in Union, of their proceedings in the year 1894, with the Treasurers' Accounts, be approved, and that the Committees be requested to print and widely circulate the same."

Moved by Sir H. E. ROSCOE, M.P., seconded by Mr. H. T. GADDUM, and

Resolved—"That this Meeting approves of the objects and method of work of the several Committees connected with the Manchester and Salford Sanitary Association, and considers that the efforts made by them to spread among the people a knowledge of the laws of health, to promote cleanliness, temperance, and thrift, to obtain a purer atmosphere, to improve the dwellings of the poor, and to preserve the lives of their children deserve a more adequate support from the general public."

Moved by Canon DAVENPORT KELLY, seconded by Mr. JAMES JOHNSTON, and

Resolved—"That the best thanks of the Meeting be given to the President, Vice-Presidents, Officers, and Committees for their services during the past year, and that the following Ladies and Gentlemen be requested to act for the ensuing year." (See Pages 3, 39, 45 & 55.)

Moved by Dr. HENRY SIMPSON, seconded by Mr. CHARLES ROBERTS, F.R.C.S., and

Resolved—"That a Smoke Abatement League be formed for the purpose of suppressing the Smoke Nuisance, the nucleus of the same to consist of organisations at present existing in Manchester, Rochdale, Middleton, Oldham, and Bolton, and that the Committee of the Manchester and Salford Noxious Vapours Abatement Association be requested to take immediate steps for the formation of a Committee of Management for the League."

The Chair having been taken by THE LORD BISHOP OF MANCHESTER, it was

Moved by Mr. HERBERT PHILIPS, seconded by Mr. JAMES JOHNSTON, and

Resolved—"That the best thanks of this Meeting be given to the Right Honourable the Lord Mayor of Manchester for granting the use of his Parlour for this Meeting, and for his services in the Chair."

Manchester and Salford Sanitary Association.

COMMITTEE AND OFFICERS FOR THE YEAR 1895.

President.

THE RIGHT REV. THE LORD BISHOP OF MANCHESTER.

Vice-Presidents.

THE RIGHT HON. THE LORD MAYOR OF MANCHESTER.

THE RIGHT WORSHIPFUL THE MAYOR OF SALFORD.

THE VERY REV. THE DEAN OF MANCHESTER

THE VENERABLE ARCHDEACON WILSON.

B. ARMITAGE, Esq., J.P.

THE RIGHT HON. JACOB BRIGHT.

SIR HENRY E. ROSCOE, F.R.S.

GEORGE BOWRING, Esq., F.R.C.S.

HENRY BROWNE, M.D.

FRANCIS GREG, Esq.

JAMES HARDIE, Esq., F.R.C.S.

A. EMRYS-JONES, M.D., J.P.

Professor DANIEL J. LEECH, M.D.

J. NEWTON, Esq., M.Inst. C.E.

H. PHILIPS, Esq., J.P.

A. RANSOME, M.D., M.A., F.R.S.

Professor REYNOLDS, F.R.S.

JOHN ROBERTS, M.D.

Prof. WM. STIRLING, M.D., D.Sc.

JOHN TATHAM, B.A., M.D.

Treasurer.

S. L. HELM, Esq.

Honorary Secretaries.

T. C. ABBOTT, Esq.

R. T. WILLIAMSON, M.D.

Committee.

Chairman—HY. SIMPSON, M.D.

JOHN ANGELL, Esq., F.C.S., F.I.C.

G. H. BAILEY, Esq., D.Sc.

ALFRED BROWN, M.D.

J. CARTER BELL, Esq., F.I.C.,
A.R.S.M.

R. CREAN, M.D.

CHAS. ESTCOURT, Esq., F.C.S., F.I.C.

JAS. FILDES, Esq.

J. W. HAMILL, M.D.

W. M. HAMILTON, M.D.

C. HEATHCOTE, Esq., F.R.I.B.A.

T. C. HORSFALL, Esq., J.P.

H. R. HUTTON, Esq., M.B., M.A.

JAMES JOHNSTON, Esq., J.P.

Rev. J. E. MERCER, M.A.

J. E. PHYTHIAN, Esq.

E. S. REYNOLDS, M.D.

F. W. ROE RYECROFT, Esq.

W. SAWERS SCOTT, M.D.

E. SIDEBOTHAM, M.D.

J. W. SMITH, Esq., M.B., F.R.C.S.

WM. THOMSON, Esq., F.R.S. Ed.;
F.C.S.

F. VACHER, Esq., F.R.C.S.

R. W. WILDE, Esq.

Rev. Canon WOODHOUSE, M.A.

Delegates from Ladies' Health Society.

Mrs. CLAY.

Mrs. REDFORD.

Secretary.

Mr. FRED SCOTT.

Office: Temple Chambers, 33 Brazennose Street, Manchester.

SUB-COMMITTEES.

The Chairman and Honorary Secretaries—Ex-officio.

FINANCE.

James Fildes, Esq.		S. L. Helm, Esq.		James Johnston, Esq.
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LECTURES & PUBLICATIONS.

J. Angell, Esq.		C. Heathcote, Esq.		Dr. E. S. Reynolds
Dr. Brown.		Dr. Hutton.		Dr. E. J. Sidebotham.
Dr. Crean.		Rev. J. E. Mercer.		Wm. Thomson, Esq.
Dr. Hamill.		J. Priestley, Esq.		F. Vacher, Esq.

MILK & FOOD SUPPLY.

John Angell, Esq.	|	Dr. Hamilton.	|	Mrs. Redford.
Mrs. Clay.		T. C. Horsfall, Esq.		F. Vacher, Esq.
Dr. Hamill.		James Johnston, Esq.		
S. L. Helm, Esq.		J. Priestley, Esq.		

RECREATION & HEALTH OF CHILDREN.

John Angell, Esq.	|	Dr. Emrys-Jones.	|	Dr. Hutton.
Mrs. Clay.		S. L. Helm, Esq.		J. E. Phythian, Esq.
Dr. Crean.		T. C. Horsfall, Esq.		Mrs. Redford.

OFFENSIVE TRADES & NUISANCES.

John Angell, Esq.	|	Rev. J. E. Mercer.	|	Wm. Thomson, Esq.
Dr. Crean.		J. E. Phythian, Esq.		F. Vacher, Esq.
Dr. Hamill.		J. Priestley, Esq.		R. W. Wilde, Esq.
T. C. Horsfall, Esq.		F. W. Roe Ryecroft, Esq.,		

PARLIAMENTARY & LEGAL SUB-COMMITTEE.

Prof. Hopkinson, Q.C.	|	J. E. Phythian, Esq.	|	F. W. Roe Ryecroft, Esq.
Prof. Munro.		R. W. Wilde, Esq.		

DISPOSAL OF THE DEAD.

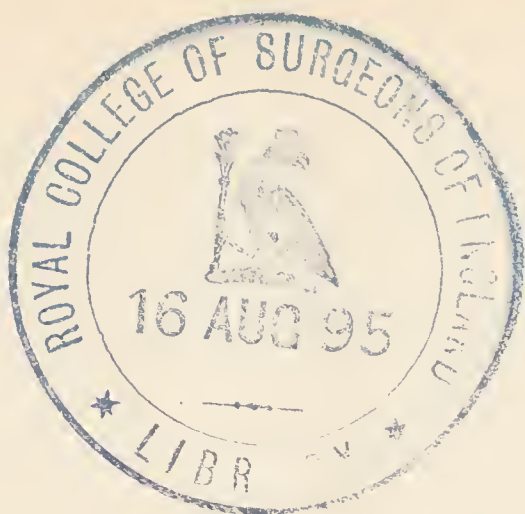
C. Heathcote, Esq.	|	T. C. Horsfall, Esq.	|	J. E. Phythian, Esq.
S. L. Helm, Esq.		H. Philips, Esq.		Rev. Canon Woodhouse.

RIVERS POLLUTION.

J. Angell, Esq.	|	C. Heathcote, Esq.	|	Sir H. E. Roscoe.
G. H. Bailey, Esq.,		James Johnston, Esq.		Wm. Thomson, Esq.
Dr. Brown.		Dr. Hutton.		F. Vacher, Esq.
Dr. Hamill.		J. E. Phythian, Esq.		

SANITARY DISTRICTS.

This Sub-Committee consists of those gentlemen co-operating with the Ladies' Branch.



MANCHESTER AND SALFORD

SANITARY ASSOCIATION.



REPORT FOR 1894.

THE Committee have pleasure in presenting to the Subscribers a summary of the work they have done in 1894.

The joint Committee appointed to make arrangements for the proposed Conference on "the Sanitation of Elementary Schools," experienced difficulty in making headway during the earlier part of the year, and as later the triennial elections of the School Boards took place, it was deemed inexpedient to take any action. It is hoped to have all arrangements made by an early date in the present year.

Conference on
Sanitation of
Elementary
Schools.

At the request of the Committee, Dr. Hamilton read a paper on the important subject of "The Training and Registration of Midwives," before a joint meeting of the Committee and of the Ladies' Health Society. He stated the objections of many medical men to the practice at some Hospitals of granting Diplomas to midwives after attendance on a course of lectures, but without insisting on any adequate training. The position of the Hospitals is that it is much to the advantage of the poor to be able to call in for simple cases women, who have had some instruction and who have satisfied the examiners of their knowledge. As the meeting was not a full one no resolution was passed. It may be mentioned that on a previous occasion the Committee have passed a resolution stating the desirability of the certification of midwives.

Certification of
Midwives.

The Committee, with the Educational and Registration Committee of the Social Questions Union, sent a deputation to the Manchester School Board asking that their playgrounds should be opened, out of school hours, for general

Use of School
Playgrounds.

use by children. (For memorial see Appendix A.) The Association being aware, from experience gained several years ago when an identical request was made, that the difficulty in the way was the provision of caretakers to preserve order and secure the school buildings from injury, had first approached the Chief Constable who, with the sanction of the Watch Committee, consented to supply policemen in plain clothes for the purpose. This was stated to the Board, who undertook to communicate with the Watch Committee and, if their requirements were satisfied, to grant the use of their playgrounds. The result of the joint deputation is not yet known.

Open Spaces and
Baths for St.
John's Ward.

A deputation of the Committee with the Rector of St. John's and a number of the residents in St. John's Ward waited upon the Parks and upon the Baths Committees, at their meetings in March, to urge that a plot of vacant land in the ward might be utilized as an open space for recreation, and that baths should be erected upon another suitable site. The deputation was in both cases sympathetically received, and was promised that its requests would receive early consideration. (For memorial *re* Baths see Appendix B: no memorial was presented *re* the proposed Open Spaces.)

New Healthy
Homes Society.

The Rector of St. John's, the Rev. E. F. Leach, availed himself of an offer from the Association of co-operation in conducting a Healthy Homes Society, and he accordingly took steps to form one for his ward. Several meetings were held, the lecturers being provided by the Association. It was also represented at a ward public meeting in support of the demand for an open space and for baths.

Certification of
Sanitary
Inspectors.

The authorities of the Victoria University have arranged to give certificates of proficiency, after examination, to candidates who wish to qualify themselves for the position of Sanitary Inspectors, and on the issue of the plan of studies your Committee decided to prepare a circular which should supply full information for those who might wish to present themselves for examination as to the facilities afforded for the acquisition of the requisite knowledge and experience. This is now in hand and when ready it will be circulated. Some certificates have already been granted, and it is satisfactory to know that the Sanitary Committee of the Corporation have from the outset appreciated the importance of the action of the University, the first to recognise the necessity of adequate training in this branch of the Service of Public Health, and have in making appointments given a preference to those candidates who possessed the Victoria Certificate.

The Committee have had under consideration the facilities provided for the teaching of Hygiene, not particularly for the benefit of such as intend entering the Public Health Service but as a subject of general instruction. Inquiry showed that under the Manchester School Board provision was made for the teaching of the subject to scholars and in two or three cases to adults in evening classes mainly for women, and that there is an unsupplied want of teaching for youths who have left School, contemplate following the occupation of Sanitary Inspectors, and who desire to prepare for study at the special institutions recognized by the University, and for the general public for whom instruction in the elements of hygiene is almost a necessity if any distinct advance in home sanitation is to be made. The Committee think that the funds provided by the Government for Technical Education (Beer and Wine Duties) might very reasonably be applied to cover this work. The matter is still under consideration.

Teaching of Hygiene.

A scheme for a model village, with plans of the ground and houses and a perspective view, was drawn up by the Committee and sent to the Lewis Trustees in the hope that they might see their way to expend some of the money under their trust upon this or a similar scheme, the object of which is to provide typically healthy dwellings and surroundings on a site near a suburban railway station for workmen who have been displaced by the various improvements and alterations in the city. (For letter see Appendix C.) No reply has, so far, been received from the Trustees, but the Committee are not without hope that a project so practical and promising may be regarded by them as worthy of very careful consideration.

Proposed Model Village.

The Conditions-of-Home-Life Committee of the Social Questions Union consulted the Association on the question of back-to-back dwellings and overcrowding, and it was decided to invite them to meet the Ladies' Health Society at a conference on the subject, when the past action of the Association and its attitude under the present circumstances would be explained. Most valuable and interesting information on the overcrowding which results from the compulsory closing of unhealthy dwellings was given by members of the Ladies' Health Society, and the meeting was impressed with the extreme complication of the whole question, with the result that it was agreed that no immediate action was desirable.

Back-to-back Houses.

During the prevalence of certain forms of infectious disease in Manchester the Committee decided to have some of its tracts collected and bound in one pamphlet, with an explanatory introduction, the whole to serve as a handbook for the

Infectious Disease in Manchester.

assistance of the visitors of the Ladies' Health Society and others. The Committee would be glad to be able to make a free grant of their tracts to the clergymen of all denominations for distribution, but at present funds for the purpose are wanting.

Compulsory
Notification of
Infectious
Disease.

The attention of the Committee has been directed to the danger incurred by the vast populations of Manchester, Salford, and the surrounding districts, due to the failure of some of the Local Boards to put in force the Act for the Compulsory Notification of Disease. Owing to these gaps in the sanitary cordon the difficulty of tracing to their source outbreaks of such complaints as smallpox, or scarlet fever is greatly increased, and such *fainéants* Boards become a positive danger to their neighbours. Of the circle of Local Board Districts by which Manchester is surrounded there are only three, Kearsley, Levenshulme, and Reddish which have not adopted the Act. Appeals were addressed to these three by the Committee. (See Appendix D.) Since then one of them, Levenshulme, has partly adopted the Act, but not so far as compulsory Notification of Cases of Infectious Disease.

Notification of
Measles.

As stated in the last Annual Report, the Committee memorialised the Sanitary Committee of the Corporation in favour of including measles in the schedule of diseases for compulsory notification. During the past year a reply was received, enclosing a report by the Medical Officer of Health adverse to the granting of the prayer of the Memorial, and giving reasons for his decision. At the same time the Committee were informed of the steps taken by the Medical Officer to check, as far as practicable, the spread of the complaint, and under the circumstances the Committee did not consider any further representations to the Sanitary Committee would be advantageous. They are nevertheless still of the opinion that the high mortality from measles, double that from scarlet fever, calls for decided action, and that notification, possibly for a limited number of years and in a modified degree, is desirable. They are aware that owing to the acute infectivity of measles all through its course, and especially in the early stages before its recognition, notification is deprived of much of value as a safeguard; but they hold that if only the primary attack in each household affected were required to be notified and no other during an interval of six weeks, the argument as to disproportionate costs would be met and the following advantages gained, guidance to the Medical Officer of Health:—as to the severity of the outbreak:—as to the Schools infected and whether closure is necessary;—as to whom to caution with regard to the propagation of the complaint. At present the Medical Officer is entirely without

information, except that conveyed by the mortality returns, and by any voluntary reports he may receive, late in the course of an outbreak, from school managers.

A bill for the Registration of Plumbers, which had been introduced in the House of Commons, was considered by the Committee, who agreed that the bill would provide an important safeguard to the public health, and having petitioned Parliament in its favour, succeeded in inducing some kindred societies to second their efforts.

Plumbers'
Registration Bill

The action of anti-vaccinators in encouraging resistance to the law, and in offering to pay fines imposed for non-vaccination is at present under consideration by the Committee, who would express their feeling that urgency is required in the production of the report of the Commission on Vaccination as the present state of suspense causes reluctance in the enforcement of the penal clauses of the acts.

Anti-vaccinators
and the Law.

The Committee willingly consented to send representatives with a deputation from the Noxious Vapours Abatement Association to the City Magistrates on the subject of the smoke nuisance; the object being to secure that Magistrates who are engaged in smoke-producing trades should not sit when smoke-nuisance cases are before the Court. The deputation duly attended and presented a memorial. (See Appendix E.) On the same day the Chairman and Secretary were present at a meeting of the Society of Chemical Industry, and took part in a discussion on a paper by Mr. R. Le Neve Foster entitled: "The Prevention of Smoke arising from Intermittent Firing." The views of the Association were put forward opposing a claim made by the reader of the paper, "that indulgence should be shown to certain manufacturers in respect of the quantity of smoke produced."

The Smoke
Nuisance.

The Committee considered the propriety of appealing to the Sanitary Committee to take the opportunity of the appointment of a new Officer of Health to commence the publication of an Annual Health Report. It was understood that Dr. Tatham, the late Medical Officer, had in hand, and intended shortly to publish a report covering the period of his tenure of office, and pending its appearance it was decided to take no action.

Annual Report
of the Health
Department.

In pursuance of the past action of the Association in making public the extent and location of outbreaks of infectious disease, and with a view to affording data for the study of epidemics, the Committee sent a Memorial to the Local Government Board, seeking the publication of returns of infectious disease as reported under the act for compulsory

Government
Returns of
Infectious
Diseases.

notification. The reply of the Board being unfavourable, the Committee contemplate the issue of returns by the Association, if they can secure the necessary co-operation. (See Appendix F.)

Open Space for
Hulme.

The Committee desire to secure for an open space for recreation a site in Hulme recently cleared under the orders of the Unhealthy Dwellings Committee, but having ascertained, on enquiry, that legal difficulties stood in the way they made no appeal to the Corporation.

Use of "Cordials"
for Children.

The use of "cordials" for the purpose of quieting and soothing children, often by those in whose charge the child has been left by the mother, while she herself is at work in the factory, has long been known to and regretted by the Committee. A case of death in a young child from an overdose occurred lately, and a sample bottle of the special "cordial" used has been obtained, which is now being analysed at the request of the Committee, who purpose publishing a report on the composition and action of these mixtures.

Thirlmere Water

The question of the action of Thirlmere water upon lead pipes, and its possible contamination from salts of lead has been submitted to the Committee, who have arranged for an analytical investigation and report.

Lectures.

The Committee has continued its work of the dissemination of knowledge of the laws of health by popular lectures these have been given mainly in connection with Healthy Homes Societies, where large audiences have been secured. The demand for lectures is now so great that more help is urgently needed, and offers of co-operation, especially from medical men, will be gratefully received and accepted.

Publications.

Another branch of this part of the Association's work is carried out by its collection of printed lectures and tracts; all of these are now stereotyped, and continue to be sold by the publishers. (For list see Appendix G.) The thanks of the Association are due to the following gentlemen who have delivered lectures during the past year:—

The Allied
Societies.

During the past year certain changes have taken place in regard to some of the Allied Societies, thus, the Committee of the Children's Country Holiday Fund and of the Ladies' Health Society determined that their annual meetings should be held independently, and the Committee for Securing Open Spaces for Recreation, having accomplished certain specific objects and seen realized, to a large extent, the demand for open spaces, have during the year undertaken no new work since on the first of January, 1894, they transferred the Procter Gymnasium to the Committee of

the Hulme Lads' Club, consequently they present this year no report beyond a financial statement. The following excerpt from the report of last year will explain the reason for the continued existence of the Committee.

“The arrangement with the Corporation, who are the owners of the Procter Gymnasium, was virtually for a tenancy of five years, of which three are expired. For two years to come a certain responsibility of supervision rests with the Open Spaces Committee for which provision has been made in the agreement with the Committee of the Hulme Lads' Club. Some office expenses will be incurred during this period, and it is hoped that those who have shewn their interest in the work of the Open Spaces Committee by paying annual subscriptions will not, during the next two years, withdraw their support. It is arranged that any balance of income not required for such expenses shall be devoted to giving prizes for Athletic Competitions at the Procter Gymnasium and other similar Institutions.

“A member of the Committee has undertaken to discharge the debt due to the Bank, by a special donation, so as to place it in the power of the Open Spaces Committee to dispose in this beneficial manner of any income which may accrue from the continuance of the annual subscriptions.

“There is, moreover, this plea for the resolution of the Open Spaces Committee to continue in existence, at all events for the next two years—that in the meantime some call may arise unexpectedly for a further exertion of influence. It is true that public opinion, which was at the commencement of the Committee's work comparatively cold and indifferent, is now strongly enlisted on the side of Open Spaces, but it cannot always be counted upon to act promptly in a particular case, and, therefore, an abrupt act of extinction seems to the Committee unwise as long as any excuse, such as has been indicated, can be found for the maintenance of the organization.

“It should be stated that the Open Spaces Committee joined with the parent society in their effort to secure an open space for Hulme, referred to in an earlier paragraph, and was prepared to take action at the moment when the reason given for dropping the matter was made known.”

From these changes it followed that only the Noxious Vapours Abatement Association (and the parent society) were left to combine for the annual meeting this year, and the Committee determined to make a new departure by holding, in connection with the meeting, a Sanitary Conference, the programme of which is given in Appendix (H). This is looked forward to with much interest, and it is hoped that

Conference on
Voluntary Aid
in Improving
the Sanitation of
Towns.

the experiment may be attended with so large a measure of success as to justify its annual repetition, the Committee feeling that the sphere of usefulness, open to voluntary aid in improving the sanitation of towns, especially in this and the surrounding populous manufacturing districts, is so wide that an annual conference, to which may be invited distinguished sanitary experts from various parts of the country, would unquestionably prove of great advantage to the cause of sanitary reform.

Resignation of
Dr. Ransome.

The Committee have to record, with unfeigned regret, their sense of the loss the Association has sustained by the resignation of Dr. Ransome, as Chairman of the Committee, necessitated by his removal to Bournemouth. He joined the Committee in 1857, and was Honorary Secretary from 1859 to 1863. On Dr. Noble succeeding Mr. Thos. Turner as Chairman, in 1873, Dr. Ransome became Deputy Chairman, and he succeeded Dr. Noble, as Chairman in 1880. During his 37 years' service on the Committee his interest in the work of the Association never abated; he was most assiduous in attendance at meetings, accompanying deputations, or taking part in inquiries and scientific investigations. The publications of the Association, although enriched by many contributions from his pen, give only a faint idea of extent of the work done by him as lecturer during his long connection with the Association, and it is scarcely too much to say that his personal influence was no inconsiderable factor in securing for the Association that respectful and attentive hearing from the authorities for such representations as the Association made to them from time to time, which resulted, as the annals of the Association show, in the steady and continuous progress of sanitary reform in Manchester and Salford. His name first appears in the Committee as "Mr. A. Ransome, B.A., M.R.C.S." For some years past it has been "Arthur Ransome, M.D., M.A., F.R.S." The difference in degrees marks his steady advance in scientific research, and as Chairman of this Association his work for societies and scientific literature has contributed largely to the unique position held by the Association as the pioneer of sanitary reform in the kingdom.

The Committee had great pleasure in initiating a subscription to provide a small token of the regard in which Dr. Ransome is held by his colleagues and fellow citizens. The testimonial took the form of a silver inkstand for Dr. Ransome, and a silver tea-service for Mrs. Ransome, with suitable inscriptions. The Committee wish their late Chairman many years of good health for continued usefulness.

Miscellaneous.

The Committee have to record with regret the death of Dr. W. Lauder—a colleague who in past years rendered

willing and valuable help to the Association, as lecturer and otherwise.

The Association, like all other voluntary societies, is suffering from loss of income, owing to death, removals, &c. To make these good, new contributions are earnestly requested. The Committee are particularly wishful for help in forming a fund for the special purpose of circulating extensively and systematically its excellent literature, which gained a Diploma of Honour at the International Health Exhibition, London, in 1884. One of the chief aids which voluntary societies like this can render to the legally constituted authorities is, the education of the people in the responsibilities of individuals in securing a high standard of public health. The wide dissemination of the literature of the Association is eminently calculated to promote this desirable object, and consequently contributions towards the object will be very wisely bestowed.

The Committee have been much disappointed at their being so far overlooked by the Trustees of the late Mr. Berridge, who left a large sum for the promotion of education in sanitary matters in Great Britain. As yet, only those societies whose operations are confined to London, or centred there, have benefited from the fund. This Association has, at least, as good a claim as any of the institutions so far favoured, and it is to be hoped that the Trustees will yet recognise this fact.

Despite a general impression to the contrary, created by a sunless and wet summer, the past year has been a more than ordinarily healthy one, and the rate of mortality for the city is unusually low, being 19·89 in place of 24·48, the average for the last three years. This reduction is largely due to the absence of extremes of temperature, for the published tables show that in such diseases as diarrhoea, the mortality from which surely increases as the subsoil temperature rises, in 1894 the number of deaths was less than half the number in 1893, and lung diseases where high mortality follows low temperatures, the death rate per 1000 was in 1894, 4·36 against an average rate for the past three years of 6·16. The death rate from the seven principal zymotics has also been smaller, 2·41 instead of 3·28.

It is a fair conclusion to draw that if the city mortality has been during the year so small, then the amount of disease not followed by death must have been diminished, and that too even in a higher ratio. It is therefore somewhat disquieting to turn to the figures given by the Medical Officer of Health as to the amount of "Sickness treated at the public expense," which show that the *fresh* cases of general sickness under treatment at the public hospitals and dispensaries of

Finance.

The Berridge Trust.

Death of the City.
The Medical
Officer's Quar-
terly Reports.

Manchester numbered 41,036 showing an *increase* over last year of 326. That is, roughly speaking, one in every twelve of the inhabitants of Manchester was, during the twelve months, ill and so poor as to have to get his treatment at the expense of his charitable neighbours, and this estimate leaves out those whose ailments required special attention and who attended such hospitals as the Eye, the Skin, the Ear, and Throat, in St. Mary's; the Clinical, the Southern or Pendlebury, and the absolute pauper class, the expense of whose treatment falls on the rates.

The report has elsewhere alluded to the question of the compulsory notification of measles, but your Committee would again draw public attention to the high mortality caused by such "common" complaints as measles and whooping cough, so that while there were 116 deaths from scarlet fever, there were 222 and 286 deaths from measles and whooping cough respectively.

Another and an absolutely preventable cause of death in infants and one equally needing thoughtful attention from the public, is "overlaying." During the year 93 inquests have been held where according to the verdicts death has resulted from "suffocation in bed."

Your Committee would express their opinion that despite the advances of Sanitary Science there remains much to be done to improve the health of the people and the conditions under which they work and live, and that there is a point, almost within view, beyond which by no amount of municipal care and expenditure of money on sanitation can the standard of health be raised, and that now the main need is the education of the inhabitants of the city in the way in which they may live the most healthy, the most happy lives. This is one of the chief objects of the existence of the Association, and they confidently appeal for public sympathy and assistance in the work they have undertaken.

MANCHESTER AND SALFORD SANITARY ASSOCIATION.

Dr.

Treasurer's Statement of Income and Expenditure for the Year 1894.

Cr.

1894.		INCOME.		£ s. d.		1894.	EXPENDITURE.		£ s. d.	
Jan. 1.	To Cash in Bank..	..	..	24	6	7	Dec. 31.	By Secretary's Salary	..	100 0 0
Dec. 31.	" Subscriptions..	..	..	153	15	0	"	" Rent and Taxes	..	40 0 0
"	" Donations ..	..	..	4	5	6	"	" Printing, Stationery, and Engrossing	13	9 9
"	" Interest on Investment with Tyne						"	" Postages and Petty Cash	..	8 11 11
"	" Conservancy Board ..	..	..	7	15	0	"	" Collector's Commission	..	7 13 9
"	" Sundry Receipts ..	..	..	0	4	1½	"	" Advertising ..	..	3 11 0
							"	" Income Tax on Interest	..	0 4 10
							"	" Balance in Bank	..	16 14 11
							"	" Balance in hand	..	0 0 0½
				£190 6 2½						
				£190 6 2½						

Examined and found correct,

JONES, CREWDSON, & YOUATT,

Chartered Accountants,

Hon. Auditors.

January 18th, 1895.

DONATIONS OF FIVE POUNDS AND UPWARDS IN FORMER YEARS.

						£	s.	d.
Armistead, William, Esq., M.B.	...	...	...	...	...	10	0	0
Atherton, Miss...	...	...	...	...	...	50	0	0
A Friend, per Dr. Morgan	...	...	...	...	...	50	0	0
A Friend, per T. Turner, Esq.	...	...	...	...	...	10	0	0
Barber, Robert, Esq.	...	...	...	...	...	10	0	0
Bazley, T. Sebastian, Esq.	..	...	...	...	...	5	5	0
Binyon, Miss Clifton	...	...	...	...	...	5	0	0
Brooks, Samuel, Esq.	...	...	...	...	...	50	0	0
Buxton Literary Society	...	...	...	...	...	10	10	0
Callender, W. R., sen., Esq.	..	..	..	..	..	10	0	0
Chadwick, R., Esq.	..	..	..	..	..	20	0	0
Cheetham, John, Esq., Stalybridge	..	..	..	..	..	5	0	0
Coultate, E., Esq.	..	..	..	..	..	5	0	0
Ellesmere, The Earl of	..	..	..	..	..	5	0	0
Gardner, Robert, Esq.	..	..	..	..	..	5	5	0
Geldart, Mrs. C.	..	..	..	..	..	10	0	0
Gillibrand, P., Esq.	..	..	..	..	..	5	0	0
Heywood, E. S., Esq...	..	..	..	..	..	20	0	0
Heywood, Oliver, Esq.	..	..	..	..	..	15	0	0
Ditto (1889)	..	..	..	..	..	5	0	0
Heywood, John, Esq...	..	..	..	..	..	8	8	0
Heywood, James, Esq.	..	..	..	..	..	5	5	0
Heywood, Sir B., Bart.	..	..	..	..	..	5	5	0
Heywood, Arthur H., Esq.	..	..	..	..	..	5	0	0
Houldsworth, Henry, Esq.	..	..	..	..	..	10	0	0
Hinmers, Wm., Esq.	..	..	..	..	..	5	0	0
Halstead, Mrs.	..	..	..	..	..	5	0	0
Hilton, E., Esq.	..	..	..	..	..	10	0	0
Jones, R. Jennings, Esq.	..	..	..	..	..	5	0	0
Jones, W. C. Esq.	..	..	..	..	..	5	0	0
Manchester, The first Bishop of (Dr. Prince Lee)	..	..	..	..	..	10	0	0
Macintosh, Messrs. C., and Co.	..	..	..	..	..	5	5	0
Philips, H., Esq.	..	..	..	..	..	8	1	4
Ditto	..	..	..	..	..	5	0	0
Plant, James, Esq.	..	..	..	..	..	5	0	0
Potters and Norris, Messrs.	..	..	..	..	..	5	5	0
Procter, D., Esq.	..	..	..	..	..	5	0	0
Procter, Daniel, Esq., Trustees of the late	..	..	..	..	..	50	0	0

	£	s.	d.
Reiss, Fritz, Esq.	5	0	0
Ransome, Dr., F.R.S... ..	5	0	0
Schofield, C. J., Esq., per W. W. Whitaker, Esq.	10	0	0
Spafford, George, Esq.	5	5	0
Schunk, Souchay, and Co., Messrs.	5	0	0
Taylor, J. E., Esq.	5	5	0
Todd and Coston, Messrs.	5	0	0
Tootal Broadhurst, Lee, and Co., Messrs.	5	0	0
Turner, J. Aspinall, Esq., M.P.	5	0	0
Watkin, W. B., Esq.	10	0	0
Whitaker, W. W., Esq.	5	0	0
Wood, W. Rayner, Esq.	5	0	0
Wood, G. W. Rayner, Esq., Singleton	5	5	0

SUBSCRIBERS, 1894.

	£	s.	d.
Abbott, T. C., Esq., Strutt Street	2	2	0
A Friend	0	7	6
Angell, John, Esq., F.C.S., 6 Beaconsfield, Derby Rd., Fallowfi'ld ..	0	10	6
Armitage, B., Esq., Chomlea, Pendleton	1	1	0
Atkinson, A. H., Esq., Clarence Street	1	1	0
Bank of England, King Street	1	1	0
Bannerman, J. A., Esq., 33 York Street	1	1	0
Barbour, Messrs. R., and Brother, Aytoun Street	2	2	0
Barker, N., Esq., Rusholme	1	0	0
Behrens, Sir J., and Sons, Limited, Princess Street	2	2	0
Behrens, Messrs. S. L., and Co., 22 Oxford Street	2	2	0
Behrens, Messrs. Louis, and Sons, Portland Street	0	10	6
Boddington's Breweries Limited, Strangeways	1	1	0
Brooks, Sir W. Cunliffe, Bart., M.P.	2	2	0
Broome, Joseph, Esq., St. Peter's Square	1	1	0
Browne, Dr. Henry, Victoria Park	1	1	0
Bowler, Mrs. W., Palatine Road, Withington	1	1	0
Carlisle, Douglas, and Co., Messrs., 17 Major Street	1	0	0
Carington, H. H. Smith, Esq., Stanley Grove, Oxford Street	1	1	0
Carver Brothers and Co., Messrs., 7 Lower Mosley Street	1	1	0
Clegg, Neville, Esq., Oldfield Brow, Altrincham	2	0	0
Co-operative Printing Society Limited, Corporation Street	2	2	0
Crean, Dr., Bury New Road	0	10	6
Crowdson, A., Esq., Piccadilly	1	1	0
Crossley, F. W., Esq., Star Hall, Ancoats	1	1	0
Crossley, W. J., Esq., Glenfield, Bowden	3	3	0
Carried forward	£34	6	0

	£	s.	d.
<i>Brought forward</i>	34	6	0
Dahms, Dr. Anna. The Cell, New Islington	0	10	6
De Jersey and Co., Messrs., Blackfriars Street	2	2	0
Dreschfeld, Dr., Oxford Street	0	10	6
Emrys-Jones, Dr. A., St. John Street	0	10	6
Equitable Co-operative Society Limited, Downing Street	3	3	0
Farbridge, Holliday, and Co., Messrs., 57 King Street	1	1	0
Fildes, Mr. Councillor, 39 King Street West	1	1	0
Frank, Ernest, Esq., Aytoun Street	1	1	0
Froehlich, The Chevalier, Faulkner Street	1	1	0
Gaddum, H. T., Esq., Brown Street	2	2	0
Galloways, Messrs., Limited, Chester Road, Hulme	2	2	0
Garnett, Stewart, Esq., Pendleton	1	1	0
Gleave, Jos. Jas., Esq., Withington Road, Whalley Range	0	10	6
Graham, William, and Co., Messrs., Sackville Street	1	1	0
Greg Brothers and Co., Messrs., Chancery Place, Booth Street	2	2	0
Greg, Francis, Esq., Chancery Place, Booth Street	2	2	0
Hadfield, George, Esq., St. Ann's Square	2	2	0
Hamill, Dr. J. W., Bury New Road	0	5	0
Hamilton, Dr., Patricroft	0	10	6
Harrison, Messrs. E., and Co., Minshull Street	2	2	0
Harvey, A. C., Esq., Cooper Street	1	1	0
Haworth, J., Esq., Pall Mall	2	2	0
Haworth, A., Esq., Pall Mall	2	2	0
Haworth, Messrs. Richard, and Co., High Street	3	3	0
Heald, W. N., Esq., Parrs Wood, Didsbury	2	2	0
Heathcote, Chas., Esq., 6 Princess Street	1	1	0
Helm, S. L., Esq., Somerville, Middleton Road, Hr. Crumpsall	2	2	0
Hewit, R. P., Esq., Princess Street	1	1	0
Hinrichsen, Messrs. S., and Co., 34 Queen Street	1	1	0
Hodgkinson, Dr. A., St. John Street	1	0	0
Horsfall, T. C., Esq., Swanscoe Park, Macclesfield	2	2	0
Houldsworth, Sir W. H., Bart., M.P., Knutsford	2	2	0
Hyland, Mrs. Rose, Victoria Park, Manchester	1	1	0
Jones, Jas. E., Esq., Portland Street	1	1	0
Joynson, E. W., Esq., Ashfield, Sale	1	1	0
Kendal, Milne, and Co., Messrs., Deansgate	2	2	0
Kessler, William, Esq., 33 Dale Street	1	0	0
Kirkman, W. W., Esq., John Dalton Street	1	1	0
Knoop, H. L., Esq., 3 Percy Terrace, Moss Lane East	0	10	6
Kolp and Co., Messrs., Hall Street, Oxford Street	1	1	0
Kolp, N., Esq., Victoria Park	1	1	0
Langworthy Bros. and Co., Limited, Messrs., Greengate	1	1	0
Lee, Messrs. W. and R. K., Victoria Buildings	1	1	0
Leech, Dr., 96 Mosley Street	1	1	0
Lyon, Lord, and Co., Messrs., Princess Street	1	1	0
<i>Carried forward</i>	£96	8	0

			£	s.	d.
	<i>Brought forward</i>	.. ..	96	8	0
Macintosh, Messrs. Charles, and Co., Limited, Cambridge St.		..	2	2	0
Manchester, Sheffield, & Lincolnshire Railway Co. Ltd., Messrs.		..	1	1	0
McConnel, W., Esq., Knockdolian, Colmonell, Ayrshire		..	2	2	0
Mather, W., Esq., M.P., Wood Hill, Prestwich..		..	2	2	0
Mather, J., Esq., King Street	.. ..	..	1	0	0
Maxwell, Frank, 41 Corporation Street	.. ..	..	1	1	0
Middleton, T. C., Esq., 29 Princess Street	.. ..	..	0	10	6
Murray, A., Esq., Hazledean, Kersal	.. ..	..	1	1	0
Newton, John, Esq., Carlton Buildings, Cooper Street	.. ..	..	1	1	0
Nordlinger, Messrs. S. and C., Portland Street	.. ..	..	1	1	0
Parlane, J., Esq., Appleby Lodge, Wilmslow Road	.. ..	..	1	1	0
Parry, E. A., Esq., 41 John Dalton Street	.. ..	..	1	0	0
Philips, H., Esq., Sutton Oaks, Macclesfield	.. ..	..	3	0	0
Philips, Messrs. J. and N., and Co., Church Street	.. ..	..	2	2	0
Phythian, J. E., Esq., Brazennose Street..	.. ..	..	0	10	0
Piggott, Arthur E., Esq., 22 High Street..	.. ..	..	0	5	0
Potter, A. B., Esq., Belgrave Crescent, Eccles	.. ..	..	1	1	0
Railton, Sons, and Leedham, Messrs., Cross Street	.. ..	..	2	2	0
Ralli Brothers, Messrs., Peter Street	.. ..	..	1	1	0
Reiss, Fritz, Esq., Quay Street	.. ..	..	2	2	0
Reiss, Emil, Esq., do.	.. ..	..	2	2	0
Rice, J., Esq., Consolidated Bank, King Street	.. ..	..	0	5	0
Rocca, Colonial, 3 Major Street	.. ..	..	1	1	0
Ross, Malcolm, and Co., Messrs., Cromford Court	.. ..	..	1	1	0
Roscoe, Sir H. E., M.P., Bramham Gardens, London, S.W.	.. ..	..	1	0	0
Rylands and Sons, Messrs., New High Street	.. ..	..	1	1	0
Samson and Leppoc, Messrs., St. Peter's Square	.. ..	..	1	1	0
Schuster, Fulda, and Co., Messrs., 12 Sackville Street..	.. ..	..	2	2	0
Scotson, J., Esq., Higher Grade Schools, Deansgate	.. ..	..	0	5	0
Scott, C. P. Esq., The Firs, Fallowfield	.. ..	..	1	1	0
Scott, R. Esq., Denzel, Bowdon	.. ..	..	1	1	0
Simpson, Dr., St. Peter's Square	.. ..	..	0	10	6
Sington, Messrs. A., and Co., Portland Street..	.. ..	..	1	1	0
Southern, J. W., Esq., Burnage Lodge, Levenshulme..	.. ..	..	1	1	0
Steinthal, Messrs., and Co., 3 Hardman Street, Deansgate	.. ..	..	1	1	0
Strines Printing Co., Messrs. The, George Street	.. ..	..	2	2	0
Stewart, Thomson, and Co., Messrs., Todd-st., Corporation-st	.. ..	..	1	1	0
Taylor, Garnett, and Co., Messrs., Cross Street..	.. ..	..	2	2	0
Thornliebank Co., Limited, Portland Street	.. ..	..	1	1	0
Toller, T. N., Esq., Fallowfield	.. ..	..	1	0	0
Trapp, S. Clement, Esq., 88 Mosley Street	.. ..	..	0	10	0
Thomson, Wm., Esq., Laboratory, Princess Street	.. ..	..	2	2	0
Vacher, Dr. Francis, Birkenhead	.. ..	..	1	1	0
Warburg, Messrs., and Co., Hall Street	.. ..	..	1	1	0
Waters, Messrs. J. and E. and Co., Mosley Street	.. ..	..	1	1	0
Watt, R. H., Esq., 7 Piccadilly	.. ..	..	0	10	0
<i>Carried forward</i>	.. ..	..	£152	18	0

						£	s.	d.
	<i>Brought forward</i>	..	..	..	..	152	18	0
Watts, Messrs. S. and J., and Co., Portland Street	..	..	..	..	..	1	1	0
Wholesale Co-operative Society, Limited, Balloon Street	..	..	..	..	..	5	5	0
Woolley, J., Sons, and Co., Messrs., Victoria Bridge	..	..	..	..	..	1	1	0
Worthington, Thos., Esq., Brown Street..	..	..	..	..	..	1	1	0
Worthington, S. B., Esq., Princess Street	..	..	..	..	..	1	1	0
						<hr/>		
						162	7	0
Less Subscriptions outstanding	..	..	..	..	..	12	16	0
						<hr/>		
						149	11	0
Add Subscriptions paid for 1893	..	..	..	..	..	4	4	0
						<hr/>		
						£153	15	0
						<hr/> <hr/>		

REPAYMENTS 1894.

							£	s.	d.
Children's Holiday Fund—Proportion of Expenses of Annual Meeting, 1894	..	..	..	..	..	..	1	8	6
Noxious Vapours Committee—Proportion of Expenses of Annual Meeting, 1894	..	..	..	..	..	..	1	8	6
Open Spaces Committee—Proportion of Expenses of Annual Meeting, 1894	..	..	..	..	..	..	1	8	6
						<hr/>			
						£4	5	6	

APPENDIX.

A.—USE OF PLAYGROUNDS AFTER SCHOOL HOURS.

TO THE MANCHESTER SCHOOL BOARD.

The joint Memorial of the Committee of the Manchester and Salford Sanitary Association, and the Educational and Recreative Committee of the Social Questions Union

RESPECTFULLY SHEWETH,

That owing to the dearth of playground accommodation in the more densely populated parts of Manchester, children have only the streets in which to indulge their natural instincts out of school hours, and by using the streets they become liable to interference by the police, for breaking the Bye-laws of the Corporation. The conflict with authority thus engendered must have a prejudicial effect upon character.

Your Memorialists suggest that the Board School playgrounds, if thrown open for general use out of school hours, would largely meet the necessities of the case. They are aware that some years ago the experiment was tried at the instance of the Manchester and Salford Sanitary association, but owing to the rough conduct of some frequenters of the grounds it had to be abandoned.

Your Memorialists assume that this unfortunate result was owing to inadequate supervision, and while now appealing for a repetition of the experiment, your Memorialists are authorised to state that if the use of the grounds be granted, the Watch Committee will provide the necessary superintendence, by officers in plain clothes.

Your Memorialists desire to state that the experiment has been successfully tried at Birmingham, the cursory supervision of a resident caretaker having been found sufficient to maintain order.

In view of the great benefit which the community would derive from the proposed increase of facilities for recreation, your Memorialists trusts that this appeal will receive your favourable consideration.

And your Memorialists will ever pray, &c.

Signed for the Committee of the Manchester and Salford Sanitary Association,

ARTHUR RANSOME M.D., F.R.S., Chairman
FRED SCOTT, Secretary.

For the Educational and Recreative Committee of the Social Questions Union,

T. C. HORSEFALL, Vice-Chairman.
W. P. PRICE-HEYWOOD, Joint Hon. Sec.

Temple Chambers, Brazennose Street,
Manchester, May 7th, 1894.

B.—BATHS FOR ST. JOHN'S WARD.

TO THE BATHS AND WASHHOUSES COMMITTEE OF THE
CORPORATION OF MANCHESTER.

*The joint Memorial of the Manchester and Salford Sanitary Association,
and the St. John's Ward Healthy Homes Society*

RESPECTFULLY SHEWETH,

That your Memorialists are deeply concerned in all that promotes the health of the community.

That in a district like St. John's Ward, containing large numbers of cottage dwellings, with no bath accommodation, the provision of public baths is absolutely essential to the physical well-being of the people.

Your Memorialists recognise the excellent work which the Baths Committees has already done, and also their willingness to do as much more towards complete provision of baths for the city as the rate-payers will sanction. Your Memorialists now desire to assure you that public opinion in St. John's Ward is entirely in favour of promptly supplying the district with baths, and the residents having patiently refrained from pressing their claims, whilst other districts in no more urgent need have been provided for, now desire very earnestly to call upon you for immediate attention to their needs in respect of this essential provision for health,

And your Memorialists will ever pray, &c.

Signed for the Manchester and Salford Sanitary Association,

ARTHUR RANSOME, M.D., F.R.S., Chairman.
T. C. ABBOTT,
W. SAWERS SCOTT, M.D., } Hon. Secs.
FRED SCOTT, Secretary.

For St. John's Ward Healthy Homes Society.

E. F. LEACH, President.
F. N. BESWICK, Secretary.

33 Brazennose Street, Manchester, March 28th, 1894.

C.—PROPOSED MODEL VILLAGE.

33 BRAZENNOSE STREET,
MANCHESTER, *April 5th*, 1894.

TO THE TRUSTEES OF THE LATE MR. DAVID LEWIS'S BEQUEST.

GENTLEMEN,

The Committee of this Association wishful to promote the interests of the public health desire to approach you with a suggestion, the adoption of which would necessarily result in lasting benefit to the working classes of Manchester; it is that you will carry out a scheme advocated by the late Mr. John Leigh, Medical Officer of Health for Manchester—viz., the erection of a model village provided with an ample playground in the vicinity of the city, say about three miles from the Infirmary, and convenient of access by rail or tramway. Plans which are of course intended merely to illustrate the proposal are submitted herewith, and from the estimates supplied by the Architects who prepared the plans—a firm of high repute—it will be

seen that a return of 5 per cent. on the outlay is shown. The Architects state that the estimates of cost are maximum amounts. The block plan shows the houses arranged to form an ordinary road or street, because there was no particular site in view, but the Architects say that given a suitable plot it would be possible, with due regard to economy to place the houses somewhat irregularly with a view to picturesque effect and provide a large playground for common use. The following shows how the return of 5 per cent. is arrived at :—

Cost of pair of houses say.....	£360	0	0	
Road making, drainage, planting, and laying out	40	0	0	
	<hr/>			
	£400	0	0	
	<hr/>			
Rent of pair of houses at 5/6 each per week	28	12	0	
Less chief rent on 700 yards of land at				
1½d. per yard.....	£4	7	6	
Rates, Taxes, &c., about.....	4	4	6	
	<hr/>			
		8	12	0
	<hr/>			
	£20	0	0	
	<hr/>			

5 per cent. on cost.

The Committee are of opinion that the rents charged should not be so low as to discourage private capitalists from investing money in the formation of other country colonies. They believe that 5 per cent. may be regarded as ample margin to cover possible loss from empties and default, also cost of management, and leave a residue which might accumulate for extension of building operations, or be employed in kindred work in the City.

In the above statement the rent is taken at an amount which with cost of railway pass added is equal to what an artizan commonly pays for equal house accommodation in say Hulme, Chorlton-on-Medlock, and parts of Ancoats, but in the village he would have the following advantages :—

- 1.—A dwelling such as would naturally foster a feeling of house pride in the occupants, which would be a powerful factor in promoting the cultivation of cleanliness and order. The attraction of such a dwelling as compared with the ordinary cottage in a monotonous row in a back street in the city is obvious, and there cannot be the slightest doubt that there would be great competition for such dwellings, for this, if no other reason.
- 2.—The aid to health of living amid pleasant surroundings in pure air in which the depression of spirits which is a recognised incentive to drinking would not be felt.
- 3.—The removal of the children from the demoralising influences of street life in the city to homes offering them ample provision for healthy exercise.
- 4.—The possession of a considerable plot of ground enabling the tenant to indulge, and train his children to share, the taste so common amongst Lancashire artizans for gardening.
- 5.—The option (if so decided) of enabling the tenant ultimately to become owner by payment of a purchasing rent.

It may safely be assumed that in consideration of such advantages a slightly increased rent would be obtainable if 5/6 should not realise the result here shown.

If the principle of allowing tenants to purchase by paying an increased rent for a limited period were adopted, the capital invested might be perpetually employed in the same work.

It is believed by our Committee that the carrying out of such a scheme would serve a useful purpose, in addition to the advantages referred to already—viz., by rendering available for others, cottages of a comparatively good class, it would facilitate the action of the Corporation in condemning unhealthy dwellings and forming open spaces in crowded districts. We are assured, on good authority, that the Corporation itself will not undertake any such work as we have now sketched out.

We are, Gentlemen,

Your obedient Servants,

Signed, ARTHUR RANSOME, M.A., M.D., F.R.S., Chairman.
 T. C. ABBOTT, }
 W. SAWERS SCOTT, } Hon. Secs.
 FRED SCOTT, Secretary.

P.S.—Since the draft of the foregoing was submitted to our Committee the Architects have ascertained that the site which the late Mr. Leigh had in view is still available, and may be had on very favourable terms. A rough plan for the laying out of this property (about $15\frac{1}{2}$ acres) is accordingly included with the other plans, and an estimate based upon it is appended hereto. In the rough plan no provision is made for a recreation hall, as it does not properly come within the scope of an undertaking based on commercial lines. If deemed essential it might be provided for either by voluntary contributions or by a slight increase of rents, and there would be ample space for it on the enlarged playground.

Estimate for plan showing 99 plots, representing 198 houses (semi-detached), each plot being about 15 yards wide and 35 yards deep exclusive of street land.

Price of land (amount asked, £6,000) say	*£5000	0	0
Main sewerage and forming roads, say	2000	0	0
Laying out gardens and playground, asphaltting or gravelling walks, say	1000	0	0
Cost of land prepared for building	8000	0	0
Cost of building 99 double houses at £400 per pair	39600	0	0
Gross outlay	£47600	0	0

* The Architects are of opinion that a firm offer of £5000 would be accepted.

REVENUE. —198 houses at 5/6 per week	£2831	8	0
Less Rates and Taxes, say $\frac{3}{4}$ in the £ on an assessment of £2360 ..	†391	0	0
	2440	8	0
5 per cent. on Capital	* 2380	0	0
Surplus	£61	8	0

ALTERNATIVE SCHEME.

Showing enlarged Playground by dispensing with 11 plots—22 houses.

Cost of Land as above	8000	0	0
„ „ building 88 pairs of houses	35200	0	0
Gross outlay	£43200	0	0
REVENUE. —176 houses at 5/6	2516	16	0
Less Rates and Taxes, say 3/4 in the £ on an assessment of £2100	†350	0	0
	2166	16	0
5 per cent. on Capital	2160	0	0
Surplus.....	£6	16	0

† These allowances are ample for probably years to come, but the landlords by paying the rates would secure commutation representing a considerable gain.

D.—COMPULSORY NOTIFICATION OF INFECTIOUS DISEASE.

The Memorial of the Manchester and Salford Sanitary Association.

RESPECTFULLY SHEWETH,

That your Memorialists are deeply interested in the promotion of measures of a practical kind for safeguarding the public health, not only in Manchester and Salford, but in the surrounding district and the country generally.

That compulsory notification of infectious diseases has had a most salutary effect in checking the spread of those complaints, and the value of the present permissive act is attested by the large number of authorities which have adopted it.

That of all the authorities surrounding Manchester and Salford, only three, of which you are one, have up to the present time failed to adopt the act.

That the disadvantage at which your Medical Officer of Health is thus placed, in coping with disease likely to become epidemic, is a source of danger not only to the inhabitants of your own district, but also to some extent to the whole of this densely populated neighbourhood.

Your Memorialists respectfully urge that you should forthwith take the needful steps to place your district abreast of neighbouring ones in resisting infectious diseases by adopting the Compulsory Notification of Diseases Act.

And your Memorialists will ever pray, &c.

ARTHUR RANSOME, M.D., M.A., F.R.S., Chairman.
T. C. ABBOTT,
W. SAWERS SCOTT, M.D. } Hon. Secs.
FRED SCOTT, Secretary.

33 Brazennose Street, Manchester, July 13th, 1894.

P.S.—Result of the operation of the Compulsory, Notification Act at Portsmouth for ten years, (1884 to 1893 inclusive.)

A table is given in his recently published annual report by Dr. MUMBY, Medical Officer of Health, Portsmouth, giving the following results :—

Average death rate from notifiable diseases for 10 years before the adoption of notification, 1·54 per 1000.
Average death rate from notifiable diseases for 10 years after the adoption of notification, 0·71 per 1000.
Average death rate from non-notifiable diseases for 10 years before the adoption of notification, 1·78 per 1000.
Average death rate from non-notifiable diseases for 10 years after the adoption of notification, 1·74 per 1000.
Average deaths from the seven principal zymotic diseases for 10 years before the adoption of notification, 3·35 per 1000.
Average deaths from the seven principal zymotic diseases for 10 years after the adoption of notification, 2·45 per 1000.

E.—MAGISTRATES AND THE SMOKE NUISANCE.

THE JUSTICES OF THE PEACE OF THE CITY OF MANCHESTER.

The Memorial of the Manchester and Salford Sanitary Association and the Manchester and Salford Noxious Vapours Abatement Association.

RESPECTFULLY SHEWETH,

That your Memorialists being interested in the suppression of the nuisance caused by the excessive pollution of the air by coal smoke, a nuisance not only injurious to health but otherwise a great public evil, and which, according to the highest expert authority, is preventable, have ventured to approach your Bench with a view to the more effective administration of the law.

Your Memorialists recognise the difficulty experienced by Magistrates connected with industries in respect of which the law is sought to be enforced, when called upon to adjudicate upon cases brought before them relating to smoke nuisances, and however anxious the magistrates so circumstanced may be, to administer the law impartially, the fact remains, that in some instances their interests must conflict with their duty. This difficulty was manifest at a recent sitting of the court when cases of smoke nuisance had to be dealt with. The presiding Magistrate on the occasion expressed himself as follows: "I have myself been persecuted and have tried to get satisfaction in regard to a member of the Corporation who was a great offender, but it took me two years to do it. Under the circumstances I am bound to say that I am not a fair man to sit in judgment in this case." The anomaly referred to, would no doubt be removed if magistrates so interested were, as in the case of licensing matters, to abstain from hearing the cases in question. But your Memorialists feel, that such an arrangement might be invidious and be difficult to carry out. They however, respectfully suggest that the object sought might be attained if the business to be brought before the court were so arranged that all cases of alleged smoke nuisance should be heard before the Stipendiary Magistrate.

Your Memorialists therefore pray that your bench will be pleased to favourably consider, and if practicable adopt the suggestion of your Memorialists.

And your Memorialists will ever pray, etc.

Signed on behalf of the Manchester and Salford Sanitary Association.

HENRY SIMPSON, M.D., Chairman.

T. C. ABBOTT,

W. SAWERS SCOTT, M.D., } Hon. Secs.

Signed on behalf of the Manchester and Salford Noxious Vapours Abatement Association.

HERBERT PHILIPS, Chairman.

JAMES FILDES, Hon. Secretary,

FRED SCOTT, Secretary to both Associations.

33 Brazennose Street, Manchester, January 4th, 1895.

F.—GOVERNMENT RETURNS OF INFECTIOUS DISEASE.

TO THE RIGHT HON. G. I. SHAW LEFEVRE, M.P., &c., President of the Local Government Board.

The Memorial of the Manchester and Salford Sanitary Association

RESPECTFULLY SHEWETH,

That your Memorialists are a body consisting of medical men, chemists, engineers, lawyers, bankers, merchants, and others, associated for the purpose of promoting sanitary reform and the advancement of sanitary science.

That their society is the oldest of its kind in the kingdom, having been founded forty-two years ago.

That almost from the outset it has urged the great importance of supplying data for the study of epidemics, and the course of infectious disease under ordinary conditions in any locality.

That prior to the adoption of legislation providing for compulsory notification of infectious diseases, the Association published weekly returns of infectious disease in Manchester and Salford, the particulars of which were voluntarily supplied by the medical officers of the various local hospitals, poor law medical officers, &c., and amply demonstrated the utility of such information.

That in 1884 your Memorialists appealed to the President of the Local Government Board, (SIR CHARLES DILKE) to inaugurate the publication of official returns of infectious disease for all towns and districts which had adopted the Compulsory Notification of Diseases Act. The reply was unfavourable on the ground that "they (the Board) are unable to satisfy themselves that there is a probability of their being able to obtain regularly and promptly accurate and complete returns of these cases of sickness for the purpose of publication."

Your Memorialists submit that with the further experience of ten years working of the Act now available and the largely increased number of towns which have adopted the Act, there is sufficient data for returns of great value to sanitary science and these can be collated satisfactorily by a government department only.

Your Memorialists suggest that in case the Local Government Board is not empowered to demand such statistics, steps be taken to obtain such powers from Parliament as early as possible.

Your Memorialists therefore pray that in the interests of Sanitary Science, and consequently of the public health, you will cause such measures to be taken as will ensure the publication, at intervals as short as possible, returns of infectious disease throughout the kingdom.

And your Memorialists will ever pray, &c.

Signed on behalf of the Manchester and Salford Sanitary Association.

HENRY SIMPSON, M.D., Chairman.
 T. C. ABBOTT,
 W. SAWERS SCOTT, M.D. } Hon. Secs.
 FRED SCOTT, Secretary.

33 Brazennose Street, Manchester November, 27th, 1894.

LOCAL GOVERNMENT BOARD,

WHITEHALL, S.W.,

26th January, 1895.

SIR,

I am directed by the Local Government Board to advert to your letter, forwarding a Memorial of the Manchester and Salford Sanitary Association, with reference to the regular publication at intervals of returns of infectious disease throughout the kingdom.

As the Memorialists are no doubt aware the Board by arrangement with the District Councils of a large number of Urban Districts, where the Infectious Disease (Notification) Act, 1889, is in force receive weekly Returns of the cases notified, and statements of the particulars furnished by these Returns are forwarded by the Board each week, to the Authorities of the Districts from which the Returns are received. On reference to pages 16, 108–115 of the Report of the Board's Medical Officers for 1892-3, published as a supplement to the Board's Annual Report, it will be seen that in the case of the Districts referred to a statement is published showing the number of notified cases of certain diseases, and the number of deaths from those diseases where the necessary data as to deaths can be ascertained from the Returns of the Registrar General.

I am to add that the Board doubt the advantage of extending the publication of such Returns as are supplied to them, so long as the Infectious Disease (Notification) Act, 1889, remains a voluntary one.

I am, Sir,

Your obedient Servant,

(Signed) ALFRED D. ADRIAN,

Assistant Secretary.

F. SCOTT, Esq.,

Secretary to the Manchester and Salford Sanitary Association.

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Under the auspices of the Manchester and Salford Sanitary Association and the Manchester Council for the Registration of Plumbers, to be held in the Town Hall, Manchester, April 24th, 25th, and 26th, 1895.

Wednesday, April 24th, Annual Meeting of the Manchester and Salford Sanitary Association.

SANITARY CONFERENCE. Chairman, HY. SIMPSON, M.D.
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DISCUSSION.

Thursday, April 25th.

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PAPER on "Teaching of Home Nursing," by Mrs. CHARLES HUGHES, Honorary Lecturer for the Ladies' Health Society, Manchester.

DISCUSSION.

Friday, April 26th.

Chairman, The Right Hon. The LORD MAYOR OF MANCHESTER.

ADDRESS by Sir BENJAMIN WARD RICHARDSON, M.D., LL.D., F.R.S., F.S.A., on "Sanitation—A Review of the Past and an Ideal for the Future."

Votes of thanks and concluding business of the Conference.

8 p.m.—ADDRESS by Sir BENJAMIN WARD RICHARDSON, M.D., LL.D., F.R.S., F.S.A., at the Exhibition, St. James's Hall, to Working People, on "Individual Sanitation amongst the Working Classes."

A CONFERENCE of District Councils for the Registration of Plumbers in the Northern and Midland Counties, on subjects appertaining to Plumbers Work, will be held in the Town Hall on the two last days of the Sanitary Conference.

In connection with the subjects to be discussed at the Conferences, and intended primarily to illustrate them, an Exhibition will be held in St. James's Hall, from April 22nd to May 11th, at which the following sections will be represented :—

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MANCHESTER AND SALFORD

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RULES.

MANCHESTER AND SALFORD SANITARY ASSOCIATION, for
Diffusing a Knowledge and Furthering the Observance
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I.—OBJECTS OF THE ASSOCIATION.

1. To promote attention to Personal and Domestic Cleanliness, Temperance, and the Laws of Health generally.
2. To aid the constituted authorities in the promotion of Sanitary Improvement.

II.—MEANS TO BE EMPLOYED FOR THESE PURPOSES.

3. Visitation of Districts represented to the Committee as requiring special Sanitary inquiry.
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6. The investigation and discussion of Sanitary questions and publication of papers.

III.—GOVERNMENT OF THE ASSOCIATION.

7. The Association shall be under the government of a Committee consisting of not less than twelve members (exclusive of *ex officio* members), a Treasurer and Deputy Treasurer, and one or more Honorary Secretaries. The Committee to appoint a Chairman, and fill up vacancies arising during the year. Any person to be added to the Committee after the annual meeting shall be proposed and seconded by members of it, at a meeting of the Committee, the election to be proceeded with at the next ensuing meeting, in the circular convening which notice of the intended election shall be given.

IV.—MEMBERS OF THE ASSOCIATION.

8. Subscribers of 5s. a year and upwards, and Donors of £5 and upwards, shall be members of the Association.

V.—MEETING OF MEMBERS.

9. The members of the Association shall meet annually in January, when the report of the Committee for the past year shall be read, the Committee, a President, Vice-Presidents, and Treasurer elected. The President, Vice-Presidents, and Treasurer to be *ex officio* Members of the Committee, but invited to meetings only after special resolution *ad hoc*. A draft of the Annual Report shall be sent to every Member of the Committee three clear days prior to their meeting for the consideration of such Report.

10. The Chairman shall call a special meeting of the Association, on a requisition stating precisely the object for which such meeting is called, and signed by five members of the Committee.

11. No rule shall be adopted or altered except at a meeting specially called, nor without fourteen days' previous notice.

VI.—THE COMMITTEE.

12. The Committee shall consist of—1st, Members of the Medical Profession; 2ndly, Ministers of Religion; and 3rdly, Persons not belonging to either profession.

13. The five members of the Committee who have attended the least number of meetings during the year shall annually retire, and if less than twelve remain, others be elected in their stead.

14. At the meetings of the Committee, three members shall be a quorum. In the absence of the Chairman the senior member of Committee present shall take the chair.

15. The Committee shall fix their own date for an ordinary monthly meeting.

16. At Committee meetings, after the regular business is disposed of, and on such other occasions as the Committee may appoint, when the members of the Association shall be invited to be present, the reading of papers and practical suggestions on various sanitary subjects shall be encouraged.

17. When tracts and reports are published by the Committee, the responsibility of wording and contents shall rest with the authors, whose names shall be appended.

VII.—SUB-COMMITTEES.

18. A Finance Committee and other Sub-Committees shall be appointed annually by the Committee to carry out the objects of the Association ; the Chairman of each Sub-Committee shall be required to report to the Committee at the ordinary meeting in every month the result of the deliberations of the Sub-Committee.

19. Inquiries into the special causes of unhealthiness of certain localities, and other investigations, shall be assigned to individual members of the Committee, or to Sub-Committees appointed for the purpose.

20. The reports of each Sub-Committee shall be drawn up by their Chairman, or any other member selected by them, and shall be presented with the least possible delay.

21. The Chairman and Honorary Secretaries are *ex officio* members, and are regularly to be apprised of the meetings of all Sub-Committees.

VIII.—SECRETARY.

22. The Committee shall appoint and pay a Secretary, whose duty it shall be to make all necessary arrangements in regard to Lectures and Returns, convene the meetings, take and insert the minutes, invoices, inventory, collect the subscriptions, and generally to act under the direction of the Committee, all publications authorised by whom shall be signed “By order.”

IX.—LECTURES, TRACTS, &c.

23. All lectures shall be delivered in plain language, and illustrated, if possible, by specimens, models, or drawings.

24. Opportunity for inquiry and conversation shall be afforded after each Lecture.

25. Tracts shall not exceed eight pages, *duodecimo*; they shall be written in plain language, and as much as possible in harmony with the Lectures which may have been previously delivered.

26. Short illustrated placards, containing useful hints, shall, where permission can be obtained, be hung up in mills, workshops, and conspicuous places.

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In Union with the Manchester and Salford Sanitary Association.

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Miss WRIGHT.	Miss DODS.	Mrs. SAGRANDE.

Honorary Treasurer :

ALBERT DICKINS, Esq., J.P.

Assistant Honorary Treasurer :

Mrs. REDFORD.

Honorary Secretaries :

Mrs. HARDIE, Wrenwood, Higher Broughton.

Miss HUGHES, 2 Wilton Polygon, Cheetham Hill.

Honorary Auditor :

A. G. GILLIES, Esq., F.C.A., 46 Brown Street.

Bankers :

MANCHESTER AND SALFORD BANK (St. Ann's Street Branch).

WORKING COMMITTEE.

Mrs. HARDIE, Wrenwood, Higher Broughton, *President*.
 Mrs. REDFORD, Willholme, Chorlton-cum-Hardy, *Hon. Treasurer*.
 Miss HUGHES, 2 Wilton Polygon, Cheetham Hill, *Hon. Sec.*

LADY SUPERINTENDENTS.	MANCHESTER DISTRICTS.
Mrs. STUART, Rock Avon, Kersal	Ancoats, West.
Miss STUART, " " " "	" "
Mrs. LEDWARD, 413 Cheetham Hill Road ..	Ancoats, North.
Miss ALDRED, Hawthorne Bank, Bowdon ..	" "
Mrs. STOTT, The Rectory, St. James the Lees, Ancoats..	Ancoats, Centr'l
Mrs. BEARDSALL, Thornhill. Wardle Road, Sale ..	" "
Mrs. WORTHINGTON, 2 Wilton Polygon, Cheetham Hill ..	Ancoats, South.
Miss WOLFF, The Clough, Hale, near Bowdon ..	Ancoats, East.
Miss PHYTHIAN, Newlands, Cheetham Hill ..	London Road.
Miss BOADEN, Crescent House, Cheetham Hill ..	" "
Mrs. GAMBLE, 2 Carill Drive, Fallowfield	St. George's, East.
Mrs. E. PHILIPS, Beech Mount, Barrington Road, Altrincham ..	" "
Mrs. F. CREWDSON, Platt Abbey, Rusholme ..	" "
Mrs. BRIDGE, 2 Wellington Street East, Higher Broughton	St. George's Central.
Miss PRINCE, 15 Wellington Street East, Hr. Broughton ..	St. George's Central.
Mrs. MERCER, St. Michael's Rectory, Hr. Broughton ..	Angel Meadow.
Miss OGLE, Wood End, Altrincham..	Chorlton-on-Medlock, North.
Miss G. HOPKINSON, Inglewood, Bowdon	" "
Miss A. C. HERFORD, 98 Acomb Street, Greenheys ..	" South.
Mrs. CLAY, Carlton Lodge, Manley Road, Whalley Range	Hulme, West.
Mrs. DOCKRAY, Springfield, Upper Chorlton Road ..	" "
Miss CONSTANTINE, Seymour Terrace, Talbot Road, Old Trafford	Hulme, East.
Mrs. COLLIER, Northlands, Altrincham..	Hulme, Central.
Miss COLLIER, Ashfield, Alderley Edge ..	" "
SALFORD DISTRICTS.	
Mrs. RENSHAW, Cliff Grange, Higher Broughton ..	St. Simon's.
Mrs. GILL, Clairville, Kersal	" "
Mrs. SCHUNCK, Oaklands, Kersal	" "
Mrs. BISHOP, 36 Bowker Street, Higher Broughton..	Adelphi.
Mrs. FRANKENBURG, Overbrook, Kersal	" "
Mrs. HAMILL, Clowes House, Higher Broughton ..	Greengate.
Mrs. KIRLEW, Taxal Mount, " " " " ..	" "
Mrs. REES, St. George's Vicarage, Pendleton..	St. George's, Pendleton.
Mrs. BROWN, Greenbank, Kersal	Ordsall.

LADY LECTURERS.

Mrs. C. HUGHES, North Aspect, Kersal.
 Miss HOBBS, Seymour View, Old Trafford.

R E P O R T .

WE have again to report a year of excellent work. We have reason to believe that its quality has not fallen off; this can be seen from the reports of the Lady Superintendents of the different districts. In spite of, in some cases, almost intolerable drawbacks, much enlightenment has been spread; ideas of cleanliness and order have penetrated into homes where they were almost entirely lacking, making them less wretched. The Health Visitors have been ready as ever to give practical advice and help. The mother's meetings, at which the refining influence of the Lady Superintendents on the women of the districts is most directly felt, continue to be an educating power as well as a pleasant social link. Though we have lost the help of some efficient workers on our Committee (one by death), we have fortunately been able to secure the services of a number of energetic new workers. The diffident unwillingness to join in the work of the Ladies' Health Society, which we have deplored in former years, is evidently ceasing to exist. Among our new recruits this year are two Lady Lecturers, who give addresses at the mothers' meetings, when requested, on nursing and hygiene respectively. Though we feel justified in some satisfaction in the quality of our work, the quantity unfortunately has had to be diminished on account of want of money. New subscriptions are wanted very badly. One new district, Hulme Central, has indeed been started, the Health Visitor's salary being guaranteed; but in three others—Deansgate, Chorlton-on-Medlock South, and Hulme East—the services of the Health Visitors have had to be given up; in the last-named two the Lady Superintendents have continued to hold mothers' meetings, hoping that the pecuniary position of the Society may improve, and that the sanitary work may be taken up again. A study of the balance sheet will show our great need of an increased subscription list.

On June 21st Mrs. Hardie promoted a kind feeling among our workers by giving a garden party, to which the ladies of the Committee and the Health Visitors were invited. The

gathering was very pleasant, and made useful by addresses from Mrs. Midwood, of the National Society for the Prevention of Cruelty to Children, and from Dr. Niven.

Our best thanks are due to a number of very kind friends, who formed themselves into a committee, with branches round Manchester, to organise a Charity Ball for our benefit. They may feel repaid for their efforts by having done their work with so much thoroughness and success that the load of debt which has lately embarrassed us by its accumulation has been entirely removed, and we are left with a sum in hand. But fresh subscriptions are still most urgently needed, as only an increase of income can justify us in resuming our work in the districts given up this year.

The following statistics from the report of the Medical Officer of Health of Manchester will give some idea of the part of the Health Visitors' work, which can be shown by figures :—

LADIES' HEALTH SOCIETY.

WORK OF FEMALE HEALTH VISITORS, YEAR ENDING 28TH OCTOBER 1894.

DISTRICT.	Number of Cottages in District.	Visits paid to Cottages.		In each 100 Cottages visited the number found.					Special Reports.	Average Death Rate.
		* Special.	† Ordinary.	Dilapidated.	Dirty.	Improved since last visit.	Overcrowded.	Invaded by Sickness.		
1. Ancoats West.. ..	1,434	204	2,353	1	20	3	1	36	120	42·0
2. Ancoats North ..	2,137	235	2,928	6	28	22	·3	16	182	30·7
3. Ancoats Central ..	1,021	146	2,826	76	26	4	2	4	280	39·2
4. Ancoats South ..	1,398	199	2,712	25	26	17	1	17	212	32·7
5. Ancoats East.. ..	1,166	127	2,909	10	26	9	·1	14	110	29·2
6. London Road ..	1,820	203	3,075	9	42	16	·4	19	139	34·0
7. Deansgate	1,705	145	1,961	2	23	47	1	31	27	35·3
8. St. George's East ..	1,421	235	2,596	7	18	12	·2	11	189	25·1
9. St. George's Central	1,422	137	2,780	26	13	4	·3	6	83	39·2
10. Angel Meadow ..	1,023	97	3,621	66	42	10	·1	5	94	50·9
11. Chorlton North ..	1,808	253	2,463	33	9	4	·2	15	48	32·9
12. Chorlton South ..	893	88	2,309	·1	1	2	·3	3	13	25·4
13. Hulme West.. ..	830	114	3,455	5	21	45	3	45	93	34·7
14. Hulme East ..	1,134	104	3,451	2	2	45	—	6	60	34·8
15. Hulme Central ..	5,333	254	1,853	·3	22	5	·1	14	27	28·8
Total	24,545	2,541	41,292	19	22	17	1	16	1677	—

* Visits on behalf of the Medical Officer of Health *re* cases of death.

† Visits paid in course of the ordinary house-to-house inspection.

LADIES' HEALTH SOCIETY.

(IN UNION WITH THE MANCHESTER AND SALFORD SANITARY ASSOCIATION.)

Dr. Statement of Receipts and Expenditure for the Year ended 31st December, 1894. Cr.

RECEIPTS.			EXPENDITURE.		
1894.	£	s. d.	1894.	£	s. d.
Dec. 31. To Subscriptions and Donations, per lists	344	7 6	Jan. 1. By Amount owing to the Bank at this date	85	6 2
" " Interest on Investment (<i>less</i> tax)	...	7 17 4	Dec. 31. Salaries—Health Visitors	...	371 12 0
" " Balance owing to the Bank	...	126 11 3	" Printing Annual Report	...	7 16 0
			" General Printing, Stationery, and Post		
			Cards	...	2 13 6
			Postages	...	2 0 0
			Cheque Books	...	0 16 8
			Advertising	...	0 15 0
			Bank Interest	...	7 16 9
				£478 16 1	

Dr. RESERVE FUND (COLTART BEQUEST, ETC.) Cr.

1894.	£	s. d.	1894.	£	s. d.
Jan. 1. To Balance brought forward	...	31 3 3	Dec. 31. By Balance in Bank	...	32 14 3
Bec. 31. " Bank Interest	...	1 11 0			
				£32 14 3	

I have examined the books and vouchers of the Ladies' Health Society (in union with the Manchester and Salford Sanitary Association), and certify that the above is a correct Statement of the Receipts and Expenditure for the year ended 30th December, 1894, as shewn therein.

46 Brown Street, Manchester, 9th January, 1895.

A. A. GILLIES, F.C.A., *Hon. Auditor*,

MANCHESTER AND SALFORD

Noxious Vapours Abatement Association.

(In union with the Manchester and Salford Sanitary Association.)

Committee and Officers for the Year 1895.

President and Treasurer.

HERBERT PHILIPS, Esq., J.P.

Committee.

JAS. FILDES, Esq.

H. FLETCHER, Esq.

T. C. HORSFALL, Esq., J.P.

T. JEPSON, Esq.

COUNCILLOR WM. SMITH, M.D.

MR. COUNCILLOR F. SMITH.

MR. COUNCILLOR J. W. SOUTHERN, J.P.

WILLIAM THOMSON, Esq., F.C.S.

REV. CANON WOODHOUSE, M.A.

MR. COUNCILLOR S. B. WORTHINGTON.

Hon. Consulting Chemists.

CHAS. ESTCOURT, Esq., F.C.S., F.I.C.

J. CARTER BELL, Esq., F.I.C., A.R.S.M.

Secretary.

MR. FRED SCOTT, TEMPLE CHAMBERS, 33 BRAZENNOSE STREET.
MANCHESTER.

NOXIOUS VAPOURS ABATEMENT ASSOCIATION.

REPORT FOR 1894.

IN the report issued in 1893 of the Glasgow and West of Scotland Smoke Abatement Association, an off-shoot of the Committee for Testing Smoke Preventing Appliances, which was formed a few years ago by this Association, a suggestion having been made to the effect that some organization was needed for the certification and registration of boilermen, enginemen, furnacemen, and others concerned in the combustion of coal, this Association prepared a scheme for an institute to direct the technical training, undertake the examination and registration of, and to provide an employment bureau for such artizans, and it was submitted to a large number of persons interested. The operatives entered into the scheme cordially, but some difficulty has been experienced in obtaining the co-operation of a sufficient number of employers to ensure success in launching the organization. Some progress has however been made, and in connection with another development of this Association, to be mentioned presently, it is likely that the scheme will eventually be carried out. The advantages to be anticipated from it are explained in the circular issued, a copy of which is given in the Appendix hereto. (A.)

The Committee have had under consideration the "Steam Engines and Boilers Bill" first introduced in the House of Commons in 1891. The promoter of the Bill, Mr SEXTON KARR, M.P., was communicated with, and he said it was intended to reintroduce the measure when the state of public business afforded favourable opportunity. It was decided that inasmuch as the objects of the Bill were akin to those of the new Institute, the efforts of the latter, when formed, should be directed towards support of the measure, work in which this Association would co-operate.

Prior to the close of the last financial year of the Manchester Corporation, the Association again memorialised the Gas Committee in favour of a reduction in the price of gas.

For copy of Memorial see Appendix (B.) The reply of the Gas Committee was to the effect that they did not consider the time "opportune" for complying with the request. The appeal will be repeated this year, and owing to the increased attention attracted to this subject by discussions in the Council during the year, and by correspondence in the press, it is obvious that public opinion is becoming ripe for a reform which affords the only practical means at present known of coping with the nuisance caused by smoke from domestic fires, and consequently the present attitude of the Gas Committee can scarcely be maintained much longer.

An Inspector has again been employed by the Association to take observations of smoke nuisances, with a view to showing that undue indulgence was granted to smoke nuisances in the city. The result was that more cases of infringement of the Bye-laws were reported by the Association's Inspector for the period he was employed than by all four Inspectors employed by the Corporation. Making full allowance for the difference in method of taking observations by the official Inspectors who watch only one chimney at a time, it would seem that large numbers of offenders are allowed to pollute the atmosphere for indefinite periods without being called to account by the authorities. Even the inadequate pressure exercised by the Sanitary Committee, however, has been enough to provoke complaints, for the second time, from certain manufacturers whose works are mainly in districts recently incorporated, and who being previously free from restraint, now find interference irksome. Their contention that, in certain processes of manufacture, the creation of black smoke is unavoidable, has more than once been denied by high authorities. A deputation of these gentlemen (the manufacturers) recently waited upon a Sub-committee of the Sanitary Committee of the Corporation, to claim indulgence for their trades. The Committee of this Association, knowing that it would be an abnegation of duty on the part of the Sanitary Committee to relax their efforts or to vary their procedure, deemed it unnecessary to present a counter memorial, but a sufficient reply to the action of the smoke producers was afforded by the resolution passed at a Conference convened by this Association, and held a few days prior to the deputation of manufacturers to the Sanitary Committee. This resolution was as follows:—

"That steps be taken to form a Lancashire Smoke Abatement League, with branches in the principal towns in the County, and that the present company and the Committee of Manchester and Salford Noxious Vapours Abatement Association, with power to add to their number, be a Provisional Committee to carry this resolution into effect."

The districts represented included Oldham, Rochdale, Middleton, and Bolton, in each of which Towns there is

already the nucleus of a branch. The main object of the League is to enforce the law prohibiting unnecessary pollution of the air by coal smoke. It is not generally known that this can be done by private individuals, (under Sec. 105, Public Health Act, 1875,) when the Authorities neglect to act, and indeed the law has been put in motion in this way with marked success in numerous cases, particularly at Oldham, Rochdale, and Middleton.

This Association has hitherto relied upon moral suasion and educational methods to effect its objects, but experience has shown that there are many offenders who are amenable to compulsion only. Hitherto the latter have been able to plead with some plausibility, that while willing to adopt means for preventing smoke, they did not know what to do, and it would be a hardship to be compelled to provide costly apparatus, the success of which was doubtful. The work of the Committee for Testing Smoke Preventing Appliances is now practically ended, and the issue of its report in the course of a few weeks will deprive smoke producers of the last shred of cause for continued pollution of the air. The time is therefore appropriate for a determined effort to put down this nuisance which is so fruitful of injury to the public.

It has long been recognised as an invidious state of things that magistrates, who are themselves manufacturers, should hear summonses against persons engaged in similar industries. At the Annual Meeting of City Justices for the arrangement of business for 1895, a joint deputation from this Association and the Manchester and Salford Sanitary Association, attended and presented a Memorial, of which a copy is given in the Appendix to the report of the latter society. The magistrates formally received, and undertook to consider it.

As suitable opportunities occur, lectures are arranged for by the Association in various parts of the city. During the past year the following were delivered :—

These lectures are invariably well received by the audiences before whom they are delivered, and from the unanimity with which resolutions in favour of cheap gas, suppression of smoke, &c., are passed, it is certain that they exercise considerable influence in educating public opinion. Probably during the ensuing year the Association will become a branch of the new Smoke Abatement League, and thus an era of renewed activity will be before it.

There has been a considerable loss of income in the last few years from deaths, removals, &c. New subscribers are therefore much needed in order that the usefulness of the Society may be maintained and further extended.

MANCHESTER AND SALFORD NOXIOUS VAPOURS ABATEMENT ASSOCIATION.

Dr.

Treasurer's Statement of Income and Expenditure for the Year 1894.

Cr.

1894.	INCOME.	£ s. d.		1894.	EXPENDITURE.	£ s. d.	
		£	s. d.			£	s. d.
Jan. 1.	To Balance in Bank..	..	..	Dec. 31.	By Secretary's Salary	..	..
Dec. 31.	" Subscriptions	..	..	"	" Smoke Inspector's Wages	..	..
"	" Special Donations—Report on Manchester Gas	..	..	"	" Office Rent	..	..
"	" Bank Interest	..	..	"	" Printing, Advertising, &c.	..	..
		0	5 0	"	" Postages, &c.	..	..
		0	3 7	"	" Balance in Bank..	..	..
		<u>£85 13 8</u>				<u>£85 13 8</u>	

Examined and found correct,

F. E. M. BEARDSALL, Chartered Accountant,

Manchester, January 15th, 1895.

Hon. Auditor.

NOXIOUS VAPOURS ASSOCIATION.

LIST OF SUBSCRIBERS.

						£	s.	d.
Barclay, Robert, and Co., Messrs. ..	..	..	..	..	..	1	1	0
Beith, Stevenson, and Co., Messrs...	..	..	..	..	..	1	1	0
Bles, David S., Esq. .. ..	..	..	..	..	..	1	1	0
Bullivant, A. R. and Sons, Messrs.	..	..	..	..	..	0	5	0
Carver Brothers and Co., Messrs. ..	..	..	..	..	..	1	1	0
Chamberlin, Donner, and Co., Messrs.	..	..	..	..	..	1	1	0
Crossley, W. J., Esq. .. ..	..	..	..	..	..	2	2	0
De Trafford, Sir Humphrey F., Bart.	..	..	..	..	..	5	0	0
Eccles Corporation .. ..	..	..	..	..	..	4	4	0
Farrar, T. Lister, Esq. .. ..	..	..	..	..	..	1	1	0
Ferguson, John, Esq... ..	..	..	..	..	..	0	5	0
Fildes, Mr. Councillor .. ..	..	..	..	..	..	2	2	0
Gleave, Jos. Jas. Esq... ..	..	..	..	..	..	0	10	6
Gemmell and Harter, Messrs.	..	..	..	..	..	1	1	0
Hadfield, George, Esq. .. ..	..	..	..	..	..	1	1	0
Hecht., Mrs. Edward .. ..	..	..	..	..	..	1	1	0
Helm, S. L., Esq. .. ..	..	..	..	..	..	1	1	0
Heywood, C. J., Esq. .. ..	..	..	..	..	..	5	0	0
Horsfall, T. C Esq. .. ..	..	..	..	..	..	2	2	0
Jepson, Thomas, Esq. .. ..	..	..	..	..	..	1	1	0
Joynson, E. Walter, Esq. .. ..	..	..	..	..	..	1	1	0
Liepmann, Messrs. Julius, and Co.,	..	..	..	..	..	2	2	0
Mc.Connel, W., Esq. .. ..	..	..	..	..	..	1	1	0
Mather, John, Esq. .. ..	..	..	..	..	..	0	10	0
Philips, Herbert, Esq.. ..	..	..	..	..	..	5	0	0
<i>Carried forward</i>						<hr/> £42 15 6		

							£	s.	d.
	<i>Brought forward</i>	..	..	..	..	..	42	15	6
Scott, C. P., Esq.	..	..	..	..	..	..	1	1	0
Simon, Hy., Esq.	..	..	..	..	..	..	1	0	0
Shelmerdine, T., Esq.	..	..	..	..	..	..	1	0	0
Simpson and Godlee, Messrs.	..	..	..	..	..	..	1	1	0
Steinthal, and Co., Messrs.	..	..	..	..	..	..	1	1	0
Watts, S. and J., and Co. Messrs.	..	..	..	..	..	..	2	2	0
Worthington, S. B., Esq.	..	..	..	..	..	..	1	1	0
							<u>£51</u>	<u>1</u>	<u>6</u>
Add Subscription paid for 1893	..	..	..	..	..	..	3	3	0
„ „ 1895	..	..	..	..	..	..	1	1	0
							<u>£55</u>	<u>5</u>	<u>6</u>
Less Subscriptions outstanding	..	..	..	..	..	..	3	3	0
							<u>£52</u>	<u>2</u>	<u>6</u>

DONATIONS 1894.

						£	s.	d.
Ferguson, John, Esq. (Reports on Manchester Gas)	..	..	..	..	..	0	5	0

APPENDIX.

A.—

33 BRAZENNOSE STREET,

MANCHESTER, *July 2nd*, 1894.

GENTLEMEN,

INSTITUTE OF ENGINEMEN, BOILERMEN, AND FIREMEN.

In the long protracted discussion of methods for the abatement of the smoke nuisance suggestions have from time to time been made by experts that in order to secure the best results in combustion of coal for steam raising a great need exists for the organised technical training and control of all workmen entrusted with the charge of boilers furnaces and engines. Thus in the recently issued report of the Glasgow and West of Scotland Smoke Abatement Association—an offshoot of the (National) Committee for Testing Smoke Preventing Appliances—the conclusions—deduced from a large number of tests, and from much general experience—include the following—

“The investigations of the Committee lead them to believe that carelessness and ignorance on the part of firemen account for a large percentage of the Smoke Pollution.” * * * it is difficult to understand why at this late period there is still wanting some duly recognised method of training men for such important work, * * * the interests of steam users and the public alike require that some scheme of registration and certification of boiler attendants should be instituted.”

The Committee of this Association recognised the importance of those suggestions, and the policy of the Association having always been to effect its objects as far as possible by educational and kindred methods, they determined to test the feasibility of establishing a comprehensive system of certification and registration. The reception which their proposals has received from both steam users and operatives justify them in giving a start to an independent organisation which is to be national in scope and so designed as to facilitate legislation already contemplated for the control of firemen, boilermen, &c.

The Institute will have no connection whatever with Trades Unionism and *its functions will be strictly confined* to (a) affording guarantees of the efficiency of workmen, and (b) maintaining a high standard of duty and faithful discharge of same. In connection with the Institute an employment registry will be established which there is reason to believe will prove very serviceable to employers and employed alike.

It is hoped that employers will recognise among the advantages which they may gain from the Institute :—

1. The more economical use of coal.
2. Abatement of the smoke nuisance.
3. Guarantee of the efficiency of workmen.
4. Facilities for securing suitable men when needed.

* The object of this communication is to obtain the adhesion to the scheme of a sufficient number of persons interested to form a nucleus for organisation. When that number has been secured a meeting will

be called to elect the first Council, and this Association will then cease to have any further responsibility for the undertaking. In order that the proposed constitution of the Institute may be better understood a copy of the draft rules is enclosed. These are of course intended as a basis for discussion only, and will doubtless be considerably altered at the meeting of first members of the Institute held for the purpose.

A form for reply is enclosed, and we are desired to express the hope of the Committee that you will recognise the practical and useful character of the proposed organisation and will consent to become one of the original members.

Yours faithfully,

HERBERT PHILIPS, Chairman.

JAMES FILDES, Hon. Sec.

FRED SCOTT, Secretary.

P.S.—Nominations for the first Council are invited.

B.—

TO THE GAS COMMITTEE OF THE CORPORATION OF MANCHESTER.
THE MEMORIAL OF THE MANCHESTER AND SALFORD NOXIOUS
VAPOURS ABATEMENT ASSOCIATION.

RESPECTFULLY SHEWETH,

That your Memorialists being much concerned at the evils caused by continued excessive pollution of the air in Manchester, very earnestly appeal to you to again invite the approval of the Council to a substantial reduction of the price of gas as a means of encouraging its more extensive use and causing a corresponding diminution of the quantity of coal now burned.

Your Memorialists submit that as compared with the advantages to the community from a relatively pure atmosphere, the object of securing a profit however large out of the gasworks, is unimportant. The only effect of making a profit is to relieve one section of citizens at the expenses of another section, and while gas supply is a monopoly it is as unfair to do this as it would be to differentiate taxation for libraries, parks, or other conveniences provided by the Corporation.

Your Memorialists submit that the reason formerly given for not encouraging a rapid increase in demand for gas, viz: that your producing power was inadequate no longer exists owing to the extension recently made and the effect of introducing the electric light must also tend to considerably relieve the pressure upon the works.

Your Memorialists do not ask for supply at cost price but only a reduction to say 2/- per 1000 cubic feet within the municipal boundaries. There can be little doubt that such a reduction would have an almost immediate effect in increasing the demand and the loss of income to the department owing to decreased price would be correspondingly compensated.

Your Memorialists trust that you will take this appeal into your favourable consideration and that in preparing estimates for the coming year, you will give alternative figures showing the amounts required if the gas be charged at 2/- per 1000 cubic feet.

And your Memorialists will ever pray, &c.

(Signed) HERBERT PHILIPS, Chairman.
FRED SCOTT Secretary.

33 Brazennose Street, Manchester, March 27th, 1894.

COMMITTEE

FOR

Securing Open Spaces for Recreation.

(In Union with the Manchester and Salford Sanitary Association.)

FOR THE YEAR 1895.

Chairman and Treasurer.

HERBERT PHILIPS, Esq., J.P.

J. F. BIRLEY, Esq.

WILLIAM BICKHAM, Esq.

NEVILLE CLEGG, Esq.

REV. F. O. COLLEY, B.A.

T. H. DAVIES-COLLEY, Esq.

DR. DE JONG.

REV. H. J. ELSEE.

HARVEY GOODWIN, Esq.

FRANK GRANT, Esq.

T. C. HORSFALL, Esq., J.P.

SIR W. H. HOULDSWORTH, BART., M.P.

E. W. JOYNSON, Esq., J.P.

GEORGE MILNER, Esq. J.P.

CHARLES ROWLEY, Esq., J.P.

G. A. SOUTHAM, Esq.

MR. COUNCILLOR J. W. SOUTHERN, J.P.

REV. CANON WOODHOUSE, M.A.

Secretary.

MR. FRED SCOTT, TEMPLE CHAMBERS, 33 BRAZENNOSE STREET,
MANCHESTER.

THE COMMITTEE FOR SECURING OPEN SPACES FOR RECREATION.

Dr.

Treasurer's Statement of Income and Expenditure for the Year 1894.

Cr.

1894.	INCOME.	£ s. d.		EXPENDITURE.	£ s. d.	
		£	s. d.		£	s. d.
Dec. 31.	To Subscriptions	70	14 0	Jan. 1. By Bank Overdraft	163	10 4
"	" Donations	163	0 0	Dec. 30. " PROCTER GYMNASIUM:—		
				Gas, Water, and Coke ..	15	8 10
				Painting and Repairs ..	20	16 8
				Newspapers	0	7 0
					36	12 6
				GENERAL EXPENSES:—		
				Secretary's Salary ..	10	0 0
				Printing, Stationery, Advertising, &c. ..	5	18 4
					15	18 4
				Bank Interest.. ..	1	17 0
				Balance in Bank	15	15 10
					£233	14 0

Examined and found correct,

THEODORE GREGORY, F.C.A., HON. AUDITOR.

January 16th, 1895.

LIST OF DONATIONS IN FORMER YEARS,
£5 AND UPWARDS.

									£	s.	d.
A Friend	..	..	..	..	..	..	1886	100	0	0
A Friend	..	..	..	..	..	..	1886	10	0	0
Adams, Sir J. Forbes		..	..	..	..	..	1891	5	0	0
Armitage, S., Esq...		..	..	..	..	..	1891	10	0	0
Ashton, Thomas, Esq.	..	..	..	..	..	..	1883	25	0	0
Ditto		..	..	..	..	..	1886	100	0	0
Bellhouse, James, Esq.	..	..	..	..	..	..	1891	5	5	0
Bellhouse, Messrs. J. and W.		..	..	..	..	..	1883	20	0	0
Ditto		..	..	..	..	..	1891	5	0	0
Boddington, Henry, Esq.		..	..	..	..	..	1890	10	0	0
Bradford Miss	..	..	..	..	..	..	1885	50	0	0
Bruderer and Co., Messrs.		..	..	..	..	..	1891	5	0	0
Candlin, H. J., Esq.	..	..	..	..	..	..	1890	5	0	0
Carver, W., Esq.	..	..	..	..	..	..	1886	25	0	0
Carver, Thomas, Esq.	..	..	..	..	..	..	1891	25	0	0
Chadwick, James, Esq	..	..	..	..	..	..	1883	10	0	0
„	..	..	..	..	..	..	1886	50	0	0
Charlewood, H., Esq. (the late)		..	..	..	..	..	1883	25	0	0
Chesters-Thompson, S., Esq.	..	..	..	..	..	..	1885	5	0	0
Chew, T. H., Esq. ..	..	..	..	..	..	..	1891	5	5	0
Clegg, Neville, Esq.	..	..	..	..	..	..	1883	100	0	0
Ditto	..	..	..	..	..	..	1884	20	0	0
Ditto	..	..	..	..	..	..	1886	110	0	0
Ditto	..	..	..	..	..	..	1888	50	0	0
Ditto	..	..	..	..	..	..	1890	20	0	0
Crewdson, A, Esq.,	..	..	..	..	..	..	1886	10	0	0
Crossley, F. W., Esq.	..	..	..	..	..	..	1883	10	0	0
Ditto	..	..	..	..	..	..	1886	100	0	0
Crossley, W. J., Esq.	..	..	..	..	..	..	1883	20	0	0
Ditto	..	..	..	..	..	..	1886	100	0	0
Curtis, R., Esq.	..	..	..	..	..	..	1883	25	0	0
Davies, R., Esq.	..	..	..	..	..	..	1886	20	0	0
Ditto	..	..	..	..	..	..	1891	10	0	0
Dehn, Arnold, Esq.	..	..	..	..	..	..	1883	10	0	0
Derby, Lord	..	..	..	..	..	..	1891	25	0	0
Dewhurst, James, Esq.	..	..	..	..	..	..	1891	10	0	0

							£	s.	d.
Gaddum, H., Esq. ..	..	..	..	..	..	1883	10	0	0
Galloways, Limited, Messrs.	..	..	..	..	..	1890	5	0	0
Ditto	..	..	..	..	..	1891	5	0	0
Goodwin, H., Esq...	..	..	..	..	..	1890	20	0	0
Grafton, J. H., Esq.,	..	..	..	..	..	1883	50	0	0
Ditto	..	..	..	..	..	1886	50	0	0
Greaves, James & Co., Messrs.	..	..	..	..	..	1891	10	0	0
Greg, Francis, Esq.	..	..	..	..	..	1883	100	0	0
Harrison, E. and Co., Messrs.	..	..	..	..	..	1891	20	0	0
Haworth, A., Esq...	..	..	..	..	..	1883	10	0	0
Ditto	..	..	..	..	..	1886	50	0	0
Heywood, Oliver, Esq. (the late)	..	..	..	..	..	1886	100	0	0
Ditto	..	..	..	..	..	1888	50	0	0
Holt, Edwin, Esq. ..	..	..	..	..	..	1891	10	0	0
Horsfall, T. C. Esq.	..	..	..	..	..	1883	100	0	0
Ditto	..	..	..	..	..	1886	100	0	0
Ditto	..	..	..	..	..	1890	10	0	0
Ditto	..	..	..	..	..	1891	100	0	0
Houldsworth, Sir W. H., Bart., M.P.	..	..	..	..	..	1893	100	0	0
Ditto	..	..	..	..	..	1886	25	0	0
Hunter, A. J., Esq.	..	..	..	..	..	1891	5	0	0
Jackson, H. B., Esq.	..	..	..	..	..	1883	7	7	0
Jackson, J. H., Esq.	..	..	..	..	..	1883	25	0	0
Jardine, Jas., Esq...	..	..	..	..	..	1883	50	0	0
Ditto	..	..	..	..	..	1888	50	0	0
Jones and Co., Messrs.	..	..	..	..	..	1891	10	0	0
Joynson, E. W., Esq.	..	..	..	..	..	1883	25	0	0
Ditto	..	..	..	..	..	1886	30	0	0
Ditto	..	..	..	..	..	1890	10	0	0
Ditto	..	..	..	..	..	1891	50	0	0
Kennedy, J. L., Esq.	..	..	..	..	..	1889	50	0	0
Kessler, William, Esq.	..	..	..	..	..	1891	10	0	0
Kolp, N., Esq.	..	..	..	..	..	1883	25	0	0
Langworthy, Mrs. ..	..	..	..	..	..	1883	300	0	0
Ditto	..	..	..	..	..	1885	100	0	0
Lee, Daniel, and Co., Messrs.	..	..	..	..	..	1891	25	0	0
Leipman, Julius, and Co., Messrs.	..	..	..	..	..	1891	5	0	0
Lewis's, Messrs.	..	..	..	..	..	1890	25	0	0
Merttens, F., Esq. ..	..	..	..	..	..	1891	10	0	0

							£	s.	d.
Middleton, Jones, and Co., Messrs.	..	..	..	..	..	1890	5	5	0
Modera, F. M., Esq.	..	..	..	..	..	1891	5	0	0
Moseley, D., and Sons, Messrs.	..	..	..	..	..	1890	10	0	0
Oliver, George, Esq.	..	..	..	..	..	1888	50	0	0
Philips, Herbert, Esq.	..	..	..	..	..	1883	200	0	0
Ditto	..	..	..	..	..	1884	20	0	0
Ditto	..	..	..	..	..	1885	1000	0	0
Ditto	..	..	..	..	..	1888	100	0	0
Ditto	..	..	..	..	..	1889	9	10	0
Ditto	..	..	..	..	..	1890	20	0	0
Philips, R. N., Esq. (the late)	..	..	..	..	..	1883	25	0	0
Ditto	..	..	..	..	..	1886	100	0	0
Ditto	..	..	..	..	..	1888	50	0	0
Philips, J. and N., and Co., Messrs.	..	..	..	..	..	1891	125	0	0
Prescott, C., Esq.	..	..	..	..	..	1891	10	0	0
Proctor, D., Esq. (the late)	..	..	..	..	..	1883	25	0	0
Ditto	..	..	..	..	..	1886	100	0	0
Ditto	..	..	..	..	..	1888	50	0	0
Ditto	..	..	..	..	..	1889	25	0	0
Reddaway, F., and Co., Messrs.	..	..	..	..	..	1891	10	0	0
Reiss Bros., Messrs.	..	..	..	..	..	1886	100	0	0
Reiss, Emil, Esq.	..	..	..	..	..	1888	50	0	0
Reiss, Fritz, Esq.	..	..	..	..	..	1883	25	0	0
Ditto.	..	..	..	..	..	1888	50	0	0
Robinson, Oswald, Esq.	..	..	..	..	..	1891	5	0	0
Rowley, Charles, Esq.	..	..	..	..	..	1883	5	0	0
Shaw, J. B., Esq.	..	..	..	..	..	1886	5	0	0
Shaw, Mrs.	..	..	..	..	..	1886	25	0	0
Schwabe, E. S., Esq.	..	..	..	..	..	1883	5	0	0
Ditto.	..	..	..	..	..	1886	5	0	0
Schwann, C. E. Esq., M.P.	..	..	..	..	..	1883	25	0	0
Ditto.	..	..	..	..	..	1884	20	0	0
Silkenstadt, J. G., Esq.	..	..	..	..	..	1883	10	0	0
Southam, G. A., Esq.	..	..	..	..	..	1886	20	0	0
Steinthal, H. M., Esq.	..	..	..	..	..	1883	25	0	0
Steinthal and Co., Messrs.	..	..	..	..	..	1891	5	0	0
Stewart, Thompson, and Co., Messrs.	..	..	..	..	..	1891	10	0	0
Stretton, B. Esq.	..	..	..	..	..	1883	25	0	0
Strines Printing Co., Limited, Messrs.	..	..	..	..	..	1890	10	10	0
Sumner, John, Esq.	..	..	..	..	..	1891	10	10	0

							£	s.	d.
Tatham, Leonard, Esq.	..	..	..	..	..	1883	5	0	0
Taylor, Garnett, and Co., Messrs.	..	..	..	..	..	1891	10	0	0
Vickers, Wm., Esq.	..	..	..	..	..	1883	5	0	0
West Henry W., Esq.	..	..	..	..	..	1891	5	5	0
Wilde, H., Esq.	..	..	..	..	..	1884	10	0	0
Williams, W., Esq.	..	..	..	..	..	1890	5	0	0
Worrall, Jas., Esq.	..	..	..	..	..	1883	25	0	0
Worthington, H. H., Esq.	..	..	..	..	..	1889	100	0	0
Ditto	..	..	..	..	..	1890	20	0	0
Worthington, Jas., Esq. (the late)	..	..	..	..	..	1883	105	0	0
Ditto	..	..	..	..	..	1886	100	0	0
Worthington, Mrs. Jas.	..	..	..	..	..	1888	100	0	0
Ditto	..	..	..	..	..	1891	100	0	0

DONATIONS, 1892.

								£	s.	d.
A Friend	..	..	..	..	..	..	..	250	0	0
A Friend	..	..	..	..	..	..	..	200	0	0
Ashton, Thomas Gair, Esq.	..	..	..	..	..	..	..	50	0	0
Behrens, S. L., and Co., Messrs.	..	..	..	..	..	..	..	25	0	0
Brooks, Sir Wm. Cunliffe	..	..	..	..	..	..	..	20	0	0
Crewdson, Alfred, Esq.	..	..	..	..	..	..	..	20	0	0
Crossley, W. J., Esq.	..	..	..	..	..	..	..	20	0	0
Egerton, Lord	..	..	..	..	..	..	..	25	0	0
Grafton, J. H., Esq.	..	..	..	..	..	..	..	10	0	0
Grant, Frank, Esq.	..	..	..	..	..	..	..	10	0	0
Hadfield, G., Esq.	..	..	..	..	..	..	..	5	0	0
Haworth, Rd., and Co., Messrs.	..	..	..	..	..	..	..	15	0	0
Heywood, Oliver, Esq. (the late)	..	..	..	..	..	..	..	100	0	0
Heywood, C. J., Esq.	..	..	..	..	..	..	..	100	0	0
Houldsworth, Sir W. H., Bart., M.P.	..	..	..	..	..	..	..	20	0	0
Johnson, Thomas, Esq.	..	..	..	..	..	..	..	5	0	0
Joynson, E. W., Esq.	..	..	..	..	..	..	..	50	0	0
Lund, Dr.	..	..	..	..	..	..	..	1	1	0
Philips, H., Esq.	..	..	..	..	..	..	..	200	0	0
Schwann, C. E., Esq., M.P.	..	..	..	..	..	..	..	10	10	0
Simpson, Wm., Esq.	..	..	..	..	..	..	..	2	0	0
Reiss Bros., Messrs.	..	..	..	..	..	..	..	100	0	0
Taylor, Garnett, and Co., Messrs.	..	..	..	..	..	..	..	25	0	0
Worrall, —, Esq.	..	..	..	..	..	..	..	20	0	0
								£1,283	11	0

SUBSCRIPTIONS, 1894.

				£	s.	d.
Ashton, T. Gair, Esq., 36 Charlotte Street	..	..	..	3	3	0
Balfour, Right Hon. A. J., M.P.	..	..	..	1	1	0
Behrens, Gustav, Esq., 36 Princess Street	..	..	..	5	0	0
Bruderer and Co., Messrs., 30 Princess Street	..	..	..	1	1	0
Cronshaw, James, Esq., Erskine Street, City Road	..	..	..	1	1	0
Crossley, W. J., Esq., Glenfield, Bowdon	..	..	..	2	2	0
Gaddum, H. T., Esq., 57 Brown Street	..	..	..	2	2	0
Goodwin, Harvey, Esq., 9 Chatham Street	..	..	..	1	1	0
Grafton, J. H., Esq., Overdale, Altrincham	..	..	..	3	3	0
Harter, A. E., Esq., 16 Charlotte Street	..	..	..	5	0	0
Horsfall, T. C., Esq., Swanscoe Park, Macclesfield	..	..	..	10	0	0
Joynson, E. W., Esq., John Dalton Street	..	..	..	3	3	0
Kendal, Milne, and Co., Messrs., Deansgate	..	..	..	2	2	0
Kolp, N., Esq., Hall Street, Oxford Street	..	..	..	1	1	0
McConnell, E. G., Esq., Charlotte Street	..	..	..	2	2	0
Modera, F. M., Esq., Portland Street	..	..	..	1	1	0
Philips, Herbert, Esq., Sutton Oaks, Macclesfield	..	..	..	10	0	0
Reiss, J. Edward, Esq., Quay Street	..	..	..	3	3	0
Steinthal and Co., Messrs., Whitworth Street	..	..	..	1	1	0
Spurrier and Glazebrook, Messrs., Market Place	..	..	..	2	2	0
Thompson, W. G., Esq., 5 Cooper Street	..	..	..	1	1	0
Watts, S. and J., and Co., Messrs., Portland Street	..	..	..	2	2	0
<i>Carried forward</i>	..	..	..	£63	12	0

					£	s.	d.
	<i>Brought forward</i>	..	..	..	63	12	0
Worthington, Mrs. J., Sale	..	..	..	..	5	0	0
					68	12	0
Add Subscriptions paid for 1893	..	..	..	..	12	2	0
					80	14	0
Less Subscriptions outstanding	10	0	0
					£70	14	0

DONATION, 1894.

Philips, Herbert, Esq	163	0	0
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